

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 18th of May 1888—contd.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.
			Sunday, 12th May.	Monday, 13th May.	Tuesday, 14th May.	Wednesday, 15th May.	Thursday, 16th May.	Friday, 17th May.	Saturday, 18th May.	Number of days.	Number of inches.				
EAST BENGAL—contd.	Noakhally	Gournaddi Bahuphal	0.05	0.38	.....	.....	.....	.....	.....	Nil	Nil	0.81	?	Nil	?
		Noakhally Ferry	.....	.....	0.15	0.52	.....	0.50	.....	3	4.50	0.38	5.91	4.50	0.75
		Harishpore	.....	.....	0.50	0.80	0.50	0.15	.....	3	1.95	2.31	7.10	1.05	0.95
		Rangpur	.....	.....	.....	1.71	.....	.....	.....	.....	.....	.....	?	?	?
	Furteedpore	Madaripore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.00	5.80	Nil	0.88
		Goswami	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.47	4.80	Nil	0.90
	Dacca	Munglikunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.54	4.65	Nil	0.74
		Dacca	.....	.....	.....	0.10	.....	0.18	.....	2	0.28	1.05	5.52	0.28	0.72
		Nasimunge	.....	.....	.....	0.67	.....	0.74	.....	2	1.41	2.19	5.59	1.61	0.85
		Masumunge	.....	.....	.....	0.18	.....	0.15	.....	2	0.33	1.57	5.98	0.33	0.51
	Hill Tipperah	Jupatipore	.....	.....	.....	1.10	.....	1.0	.....	1	0.30	0.91	5.73	0.30	0.41
		Azmitola	.....	.....	.....	.....	.....	0.75	.....	2	1.75	3.74	7.08	1.75	0.70
		Comilla	.....	.....	.....	.....	.....	0.97	.....	2	0.97	4.01	6.29	0.97	0.40
		Chandpur	.....	.....	.....	.....	.....	0.75	.....	2	0.75	6.05	6.75	0.75	0.74
		Manikganj	.....	.....	.....	.....	.....	0.75	.....	2	0.75	6.05	6.75	0.75	0.74
		Kumardhara	.....	.....	.....	.....	.....	0.21	.....	2	0.21	5.44	?	?	?
		Nasirabad	.....	.....	.....	.....	.....	0.50	.....	2	0.50	5.46	?	?	?
		Dandabadi	.....	.....	.....	.....	.....	0.5	.....	2	0.5	4.95	?	?	?
	Mymensingh	Kosha	.....	.....	.....	.....	.....	0.91	.....	2	1.4	4.95	?	?	?
		Lakshmi	.....	.....	.....	.....	.....	0.71	.....	2	1.4	4.95	?	?	?
		Kishoreganj	.....	.....	.....	.....	.....	1.72	.....	3	3.90	5.23	6.72	3.90	1.04
		Alor (Tangail)	.....	.....	.....	.....	.....	0.67	.....	3	3.90	5.23	6.72	3.90	1.04
		Mymensingh	.....	.....	.....	.....	.....	0.95	.....	3	4.00	7.88	6.90	4.38	0.95
		Jamshaidpur	.....	.....	.....	.....	.....	0.3	.....	3	1.3	6.09	5.59	4.34	0.86
		Nasirabad	.....	.....	.....	.....	.....	0.15	.....	3	0.45	6.87	6.55	3.10	0.48
		Sabornakhali	.....	.....	.....	.....	.....	0.25	.....	2	0.25	3.30	?	?	?
WEST BENGAL.	Fobna	Pahna	.....	.....	.....	.....	.....	0.70	.....	2	0.70	3.92	3.38	0.70	0.64
		Buckkunge	.....	.....	.....	.....	.....	0.06	.....	2	0.06	3.92	4.01	?	0.74
	Bogra	Shoropore	.....	.....	.....	.....	.....	0.73	.....	3	1.11	2.92	4.34	1.11	0.41
		Nasirabad	.....	.....	.....	.....	.....	0.15	.....	3	1.11	2.92	4.34	1.11	0.41
		Bogra	.....	.....	.....	.....	.....	0.27	.....	2	0.27	4.30	0.51	0.70	0.70
		Pandabibi	.....	.....	.....	.....	.....	0.21	.....	2	0.21	4.30	0.51	0.70	0.70
	Rajshahi	Banishahi	.....	.....	.....	.....	.....	0.7	.....	3	0.7	3.95	2.97	0.7	0.61
		Nasirabad	.....	.....	.....	.....	.....	0.15	.....	3	0.15	3.95	3.81	1.20	0.61
		Nasirabad	.....	.....	.....	.....	.....	0.19	.....	1	0.19	1.18	?	?	?
		Lajpore	.....	.....	.....	.....	.....	0.25	.....	1	0.25	2.89	?	?	?
	Malda	Malda	.....	.....	.....	.....	.....	1.20	.....	1	1.20	3.90	?	?	?
		Chanchal	.....	.....	.....	.....	.....	0.01	.....	3	0.01	1.90	1.87	0.72	0.25
		Gajol	.....	.....	.....	.....	.....	0.15	.....	1	0.15	0.97	2.38	0.15	0.67
		Stogaj	.....	.....	.....	.....	.....	0.54	.....	2	1.09	2.00	?	?	?
	Dumra	Mohadabpore	.....	.....	.....	.....	.....	0.79	.....	1	0.79	1.75	3.16	0.79	0.27
		Chandpur	.....	.....	.....	.....	.....	0.22	.....	1	0.22	1.17	2.44	0.22	0.55
		Bakerganj	.....	.....	.....	.....	.....	0.25	.....	1	0.25	0.75	2.88	0.25	0.39
		Dumra	.....	.....	.....	.....	.....	1.5	.....	1	1.5	1.74	3.00	1.5	0.85
	Rangpur	Budhgaon	.....	.....	.....	.....	.....	0.28	.....	1	0.28	0.75	1.84	0.28	0.67
		Rikwanpore	.....	.....	.....	.....	.....	0.54	.....	3	2.41	4.50	4.81	0.68	1.34
		Gyandab	.....	.....	.....	.....	.....	0.50	.....	3	0.5	2.65	4.70	0.50	1.22
		Rangpur	.....	.....	.....	.....	.....	0.29	.....	3	0.87	4.51	6.04	1.05	1.01
	Julpigore	Nasirabad	.....	.....	.....	.....	.....	0.47	.....	2	0.94	1.55	5.44	0.50	1.24
		Udayore	.....	.....	.....	.....	.....	1.20	.....	2	0.81	5.61	?	?	?
		Julpigore	.....	.....	.....	.....	.....	0.06	.....	3	0.06	0.52	5.21	0.06	0.30
		Alipore	.....	.....	.....	.....	.....	0.08	.....	3	0.08	0.52	5.21	0.08	0.30
	Cooch Behar	Talacotta	.....	.....	.....	.....	.....	0.11	.....	2	0.11	1.29	?	?	?
		Debong	.....	.....	.....	.....	.....	0.11	.....	2	0.11	1.29	?	?	?
		Dumra	.....	.....	.....	.....	.....	0.25	.....	2	0.25	2.64	0.81	0.70	1.09
		Cooch Behar	.....	.....	.....	.....	.....	1.50	.....	1	1.5	1.74	3.00	1.5	1.08
	Darjeeling Hill.	Mekliganj	.....	.....	.....	.....	.....	1.54	.....	1	1.54	1.74	5.55	1.54	1.14
		Makliganj	.....	.....	.....	.....	.....	0.33	.....	2	0.66	2.13	5.71	0.33	1.03
		Buz	.....	.....	.....	.....	.....	0.87	.....	2	1.74	3.34	9.96	Nil	3.30
		Siliguri	.....	.....	.....	.....	.....	0.05	.....	1	0.05	4.29	3.41	0.05	0.40
	Purneah	Darjeeling Hill.	.....	.....	.....	.....	.....	0.13	.....	2	0.26	0.78	4.05	0.13	0.43
		Katimpore	.....	.....	.....	.....	.....	0.04	.....	4	0.16	0.78	4.05	0.04	0.55
		Katimpore	.....	.....	.....	.....	.....	0.04	.....	4	0.16	0.78	4.05	0.04	0.55
		Katimpore	.....	.....	.....	.....	.....	0.04	.....	4	0.16	0.78	4.05	0.04	0.55
	North Bhagulpore.	Kishoreganj	.....	.....	.....	.....	.....	0.08	.....	Nil	Nil	Nil	2.76	Nil	0.51
		Arrah	.....	.....	.....	.....	.....	0.13	.....	2	0.26	0.80	3.06	0.13	0.64
		Purneah	.....	.....	.....	.....	.....	0.13	.....	2	0.26	0.80	3.06	0.13	0.64
		Gondara	.....	.....	.....	.....	.....	1.25	.....	2	1.25	3.05	?	?	?
	Darbhanga	Balaranpore	.....	.....	.....	.....	.....	0.30	.....	2	0.60	1.10	?	?	?
		Katimpore	.....	.....	.....	.....	.....	0.30	.....	2	0.60	1.10	?	?	?
		Katimpore	.....	.....	.....	.....	.....	1.92	.....	2	3.84	3.15	2.30	2.32	0.60
		Katimpore	.....	.....	.....	.....	.....	0.24	.....	2	0.48	1.10	2.14	0.24	0.40
	Mounierpore	Protabganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	Nil	?
		Tajpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.30	Nil	0.12
		Darbhanga	.....	.....	.....	.....	.....	1.70	.....	2	3.40	1.4	1.43	1.70	0.24
		Darbhanga	.....	.....	.....	.....	.....	0.71	.....	2	1.42	0.7	1.63	0.71	0.37
	Mounierpore	Madhabani	.....	.....	.....	.....	.....	1.20	.....	2	2.40	1.50	?	1.50	?
		Nahara	.....	.....	.....	.....	.....	0.58	.....	2	1.16	0.76	?	0.76	?
		Koshara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.54	Nil	0.28
		Koshara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.54	Nil	0.28
	Chandpur	Katimpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.54	Nil	0.28
		Katimpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.54	Nil	0.28
		Katimpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.54	Nil	0.28
		Katimpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.54	Nil	0.28

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 18th of May 1888—concl'd.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rain fall since 1st of month.	Average total rain fall from 1st of month.	Total rain fall since 1st of May.	Average rainfall from 1st of May to date.
			Saturday, 12th May.	Sunday, 13th May.	Monday, 14th May.	Tuesday, 15th May.	Wednesday, 16th May.	Thursday, 17th May.	Friday, 18th May.	Number of rainy days.	Rainfall of week.				
NORTH BEHAR—continued.	Saran	Gopalgange	.....	.....	.....	.....	.....	.....	0.25	1	0.25	0.25	2.02	0.25	0.25
		Saran	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.81	0.81	0.11	0.11
SOUTH BEHAR	Shahabad	Chhapra	.....	.....	.....	.....	.....	.....	0.44	1	0.44	0.44	0.42	0.44	0.14
		Buxar	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.17	0.17	0.08	0.08
		Bhubanesh	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.08	0.08	0.12	0.12
		Barh	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.58	0.58	0.10	0.10
		Arrah	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.08	0.08	0.06	0.06
		Mehania	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
	Gya	Agartala	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.47	0.47	0.14	0.14
		Gya	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.38	0.38	0.13	0.13
		Nawadah	.....	.....	.....	.....	.....	.....	0.02	1	0.02	0.02	0.70	0.02	0.17
		Arwal	.....	.....	.....	.....	.....	.....	0.30	1	0.30	0.30	0.55	0.30	0.11
		Boudnagar	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
		Shyamnagar	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
		Rajauli	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
		Pakri Barwan	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
	Patna	Patna	.....	.....	.....	.....	.....	.....	0.02	1	0.02	0.02	0.81	0.02	0.25
		Dumraon	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.50	0.50	0.14	0.14
		Barh	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.25	0.25	0.09	0.09
		Barh	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
		Barh	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
	Monghyr	Begowah	.....	.....	.....	.....	.....	.....	0.02	1	0.02	0.02	1.03	0.02	0.25
		Monghyr	.....	.....	.....	.....	.....	.....	0.57	2	1.25	1.27	1.03	1.25	0.22
		Jamui	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.11	1.00	Nil	0.21
		Gorai	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.10	?	Nil	?
	South Bhagalpore	Shikarpur	.....	.....	.....	.....	.....	.....	1.28	2	1.54	2.54	1.13	1.64	0.33
		Shikarpur	.....	.....	.....	.....	.....	.....	0.75	2	1.05	1.32	1.33	1.03	0.41
	Sonthal Pergunnahs	Ramohar	.....	.....	.....	.....	.....	.....	0.17	0.78	0.95	1.09	2.49	0.99	0.31
		Godda	.....	.....	.....	.....	.....	.....	0.75	1	0.75	0.95	1.52	0.75	0.45
		Pracur	.....	.....	.....	.....	.....	.....	0.76	0.95	1.71	1.73	1.47	0.81	0.36
		Nya Dohaka	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.08	1.47	Nil	0.51
		Dumraon	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	1.64	Nil	0.45
		Jamui	.....	.....	.....	.....	.....	.....	0.71	1	0.71	0.87	1.70	0.71	0.34
		Sinra	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
		Nawadah	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
CHUTIA NAGPUR.	Hazaribagh	Pachamra (Orda)	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.94	Nil	0.21
		Hazaribagh	.....	.....	.....	.....	.....	.....	0.01	1	0.01	0.01	0.88	0.01	0.05
		Sonagur	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.46	Nil	0.05	0.05
		Sanudi Hills	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.23	Nil	0.05	0.05
		Juomrah Hills	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.50	Nil	0.05	0.05
		Barh	.....	.....	.....	.....	.....	.....	0.06	1	0.06	0.06	?	0.06	?
		Chitra	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
		Karagaha	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
		Kamphar	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
	Lohardugga	Lohardugga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.10	Nil	0.01
		Barh	.....	.....	.....	.....	.....	.....	0.02	1	0.02	0.02	1.32	0.02	0.19
		Barh	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.40	Nil	0.12	0.12
		Barh	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
		Barh	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
		Barh	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
	Singbhoom	Chyawan	.....	0.01	.....	.....	.....	.....	0.12	2	0.13	0.45	2.08	0.12	0.48
		Chakradhar	.....	0.13	.....	0.11	.....	.....	0.21	2	0.21	0.73	?	0.11	?
		Chyawan	.....	.....	.....	.....	.....	.....	0.10	1	0.10	1.03	?	0.10	?
		Barh	.....	.....	.....	.....	.....	.....	0.09	1	0.09	0.09	?	0.09	?
	Maubhoom	Parul	.....	.....	.....	.....	.....	.....	0.08	1	0.08	1.29	2.01	0.08	0.31
		Gumudpur	.....	.....	.....	0.02	.....	.....	0.04	2	0.06	0.18	0.43	0.06	0.21
		Kamunathpur	.....	.....	.....	.....	.....	.....	0.11	1	0.11	1.38	?	0.11	?
		Barh	.....	.....	.....	.....	.....	.....	0.50	2	0.75	1.50	?	0.75	?
		Barh	.....	.....	.....	.....	.....	.....	0.10	1	0.10	0.38	?	0.10	?
		Barh	.....	.....	.....	.....	.....	.....	0.10	1	0.10	0.38	?	0.10	?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 18th May 1888.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL AND OF THE METEOROLOGICAL OBSERVATIONS
TAKEN IN ASSAM FOR THE WEEK ENDING FRIDAY, THE 18TH OF
MAY 1888.**

At the close of the previous week the meteorological conditions in Bengal were of the ordinary hot-weather nature, and except that a few local storms with rain continued to occur in most of the divisions, there were no points calling for any particular remark. In the south of the Bay, however, conditions had distinctly altered, and the first advance of south-westerly monsoon winds had taken place at the South Ceylon stations, and in front of this advance a small cyclonic storm had formed, the centre of which was situated on Friday, the 11th, a short distance from the South Madras coast to the east-north-east of Negapatam. The storm was by no means an intense one, and it during the night of the 11th advanced across the coast in a westerly or west-north-westerly direction, the centre apparently passing near Cuddalore, and on the morning of the 12th the centre was well inland to the north-west of Negapatam. Though the storm was by no means an intense one, yet it gave strong winds, a rough sea, and rather squally weather along the whole of the coast from Madras southwards. On the 13th the small storm had again advanced in a north-westerly direction, but it had rather rapidly filled up, and had practically disappeared. This advance of the monsoon winds was rather a feeble one, and it does not appear to have advanced as a definite moisture bearing current very far up the Bay, but the low pressure, which apparently accompanied its advance in the south of the Bay, afterwards spread in a northerly direction, and a wave, or perhaps two waves of decidedly low pressure, have advanced over the Bay into Bengal. The first rapid fall of pressure in the north of the Bay took place on the 13th, and continued on the 14th, when at some stations pressure fell by no less than a fifth of an inch during the two days; on the 15th there was a slight recovery; but on the 16th a further very rapid fall commenced, which was greatest on the Burma coast and in Orissa, and there was again a very large decrease on the 17th off the Arakan and Pegu coasts, the fall in some cases exceeding 0.15 inch. This caused a very distinct low-pressure area to be formed to the south-west of Akyab, and this diffused depression was accompanied by a distinct cyclonic circulation of winds. The depression probably gave somewhat squally weather over the northern half of the Bay on this day; but it did not concentrate or develop into any definite storm, and on the following day the area of low pressure advanced over South Bengal, when the pressure recorded became extremely low, as for instance Balasore registered 29.544 inches—a pressure almost as low as is generally recorded at the commencement of the rainy season. Beyond, however, this abnormal pressure and bringing up with it moderately strong, but very moist, winds, and giving rather numerous showers, the depression did not influence the weather in Bengal to any material extent, and it subsequently passed into the interior of the province and afterwards appeared in Behar.

The conditions in Bengal during the week have been therefore slightly more disturbed than they were in the previous week, and local storms with rain have again been rather numerous, particularly after the appearance of the low pressures above recorded. These storms have again been most numerous in East and North Bengal, and less numerous in North Behar, South-West Bengal and Orissa, but still a few showers have fallen in the present week in South Behar, though in Chutia Nagpore rainfall has been almost absent. In Assam moderate rain has fallen almost throughout the week.

Pressure.—Had at the end of the previous week been nearly a fifth of an inch above the normal over a large part of the province, but the changes during the present week have caused the mean pressure to become below the normal, and taking into consideration only those stations from which records have been received for a long series of years, the average pressure of the province of Bengal for the week has been 0.04 inch in defect of the normal, the defect being largest at such stations as Calcutta, Berhampore, Purneah, and Durbhanga, where it equals 0.05 inch. In Assam the mean defect is even larger, and it equals 0.052 inch. On Friday, the 18th, pressure was generally in defect of the normal by amounts varying from a tenth to a fifth of an inch.

Temperature.—The variations of temperature during the week have been of little importance, and it has been rather largely above the normal in almost all districts. In Chutia Nagpur, the excess in the mean temperature has averaged about four degrees; in South Behar, South-West Bengal, and Orissa, it has averaged about three degrees; in East Bengal nearly two degrees, and in North Bengal and North Behar less than one. For the whole of Bengal temperature has therefore been 2.2° in excess of the normal. In Assam, on the other hand, the variation has been small, and temperature has been in excess of the normal by only 0.3°. The highest maximum temperatures reported this week have been 111.9° at Dehree on the 17th and 109.4° at Cuttack also on the 17th.

Rainfall.—Has been rather below the normal over the whole province. In East Bengal the fall has averaged 1.90 inches, which is equal to the normal fall. North Bengal has received an average fall of a little more than an inch, or about two-thirds of the normal. The fall in Orissa has been about half an inch, or little more than half the usual fall, while in North Behar it has only averaged four-tenths of an inch, or about two-thirds of the normal fall. In South-West Bengal an average fall of little more than a third of an inch is reported, or about a third of the ordinary fall at this period. In South Behar the fall has only averaged a little more than a quarter of an inch which is, however, about two-thirds of the normal fall, while Chutia Nagpur has been almost rainless.

Taking up the rainfall rather more in detail, the following districts have received fairly good falls: in South-West Bengal—24 Pergunnahs, Howrah, and Hooghly; in East Bengal—Chittagong, Noakhally, Tipperah, and Mymensingh; in North Bengal—Pubna, Bogra, and Rajshahi; in North Behar—Purneah and Durbhanga; and in South Behar—the Moughyr and several Pergunnah districts. On the other hand, the following districts have received

very deficient rainfall: in Orissa—the Pooree and Outtaek districts; in South-West Bengal—Midnapore, Burdwan, Birbhoom, Moorshedabad, Nuddea, Khoolna, and Jessore; in East Bengal—Burrissal, Furreedpore, and Dacca; in North Behar—Mozufferpore, Ohumparun, and Sarun; in South Behar—Shahabad, Patna, and Gya; and in Chutia Nagpur—all districts.

In Assam during the week Silchar has received 4.22 inches, Sibsagar 8.55 inches, and Dhubri 8.51 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 18th of May 1888:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Average.	Normal average.
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.		
Orissa.	109.4	75.6	95.1	80.9	88.0	+2.7	0.80	0.80	-0.30	1.0	1.8	-0.5	0.80	3.11	0.40	0.34
South-West Bengal	106.9	70.6	94.7	79.9	89.3	+2.8	0.38	1.06	-0.70	1.1	1.8	-0.7	1.42	3.15	0.33	0.42
East Bengal	99.0	68.6	90.2	76.6	83.4	+1.8	1.90	1.90	0	2.7	2.7	0	3.31	5.73	1.70	0.78
North Bengal	103.1	64.7	92.9	73.2	83.0	+0.8	1.05	1.54	-0.49	2.0	2.1	-0.1	2.15	4.15	0.75	0.86
North Behar	102.8	67.4	95.0	75.9	85.5	+0.7	0.40	0.57	-0.17	0.8	0.9	-0.1	0.58	1.71	0.40	0.32
South Behar	111.9	67.0	104.0	78.8	91.4	+3.1	0.38	0.38	-0.10	0.6	0.8	-0.2	0.48	1.08	0.28	0.38
Chota Nagpur	108.5	72.9	100.7	77.8	89.3	+3.9	0.03	0.45	-0.42	0.6	1.2	-0.6	0.38	1.27	0.05	0.22
Assam	95.6	64.3	86.4	72.0	79.2	+0.3										

* Ohyebass not included.

METEOROLOGICAL OFFICE, BENGAL;

A. PEDLER,

The 18th May 1888.

Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 13th to 19th May 1888.

MONTH	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRI.			Redn.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1888.							Inches.		%	Inches.
May	13th	86.3	98.2	16.9	79.3	79.3	.908	76.3	72	—
"	14th	88.5	95.6	14.4	81.2	80.8	.943	77.6	70	—
"	15th	87.8	101.0	18.0	83.0	81.7	1.002	79.3	76	—
"	16th	88.4	102.0	20.0	82.0	82.7	1.042	80.5	77	—
"	17th	81.4	93.2	20.2	73.0	77.9	.910	76.4	85	1.76
"	18th	86.5	96.0	16.2	79.8	81.8	1.024	80.0	81	—
"	19th	85.9	99.0	21.4	77.6	79.9	.941	77.4	76	—

The mean temperature of the seven days

The extreme variation of temperature

The maximum temperature

The mean relative humidity

The total fall of rain from 13th to 19th May 1888

The mean temperature and humidity are obtained by applying to the mean of the 10th, 16th, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

A. PEDLER,

The 21st May 1888.

For Offg. Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from 13th to 19th May 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				Prevailing direction.	Miles recorded.	Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.				
1888.		°		Inches.	°	°	°	°	°	Inches.	°	%			Inches.	
May	13th	155.5	8.2	29.706	87.3	93.5	14.8	78.7	80.3	0.940	77.4	73	S and SSW	...	205	Nil. Chiefly cloudy.
"	14th	156.7	4.3	29.648	88.7	99.0	17.8	81.2	80.7	0.944	77.5	71	SSW and SW	...	258	" Chiefly cloudy.
"	15th	159.8	6.6	29.647	88.7	98.5	15.7	82.8	80.7	0.944	77.5	71	SW and SSW	...	220	" Chiefly cloudy, o.
"	16th	158.3	8.2	29.583	86.9	100.4	18.7	81.7	79.8	0.932	77.1	74	SSW and variable	...	164	1.27 Partially cloudy, o, s, p, t, <.
"	17th	148.8	5.8	29.569	83.5	91.3	18.0	73.3	77.8	0.884	75.5	77	SE by E and variable	...	90	Nil. Chiefly cloudy, o.
"	18th	160.7	6.1	29.507	86.7	94.2	15.0	79.2	80.7	0.971	78.3	77	SE by E and variable.	...	57	" Chiefly cloudy, t, <, p.
"	19th	151.5	7.6	29.498	87.0	96.5	20.2	76.3	78.7	0.871	75.0	68	SSW, SSE and variable.	...	105	" Chiefly cloudy, o, s.

The mean pressure of the seven days ... 29.594
The average pressure of the corresponding period for 24 years, S. G.'s Office ... 29.682

The total number of hours of bright sunshine ... 46.8
The maximum possible number of hours of sunshine ... 92.3

The mean temperature of the seven days ... 87.0
The average temperature of the corresponding period for 24 years, S. G.'s Office ... 86.5
The extreme variation of temperature ... 27.1
The maximum temperature ... 100.4

The highest velocity of the wind in one hour ... 15
The highest pressure of wind on one square foot ... 10
The mean relative humidity ... 73
The average relative humidity of the corresponding period for 24 years, S. G.'s Office ... 72

The total fall of rain from 13th to 19th May 1888 ... 1.27
The average fall of the corresponding period for 24 years, S. G.'s Office ... 0.95
The total fall from 1st January to 19th May 1888 ... 10.35
The average fall of the corresponding period for 24 years, S. G.'s Office ... 7.39

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph and from observations made at 6h, 10. 16h. and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

s overcast, g gloomy, p passing temporary showers, t thunder, < lightning, d dew, s dust storm.

A. PEDLER,

For Offg. Meteorological Reporter to the Govt. of India.

Meteorological Office, GOVT. OF INDIA;

Calcutta, the 21st May 1888.

MEMORANDUM.

The mortuary statistics of the districts in Bengal for the month of March 1888 present the following results:—

1. That the deaths of 116,225 persons were registered among a population of 66,163,884, representing an annual casualty-rate of 21 per 1,000 against 19·08 in the preceding month, and the same proportion in the corresponding month of the preceding year, indicating, as compared with both the periods, an improvement in the number of deaths recorded.

2. That the following districts returned the highest proportions of deaths:—

Districts.	Ratio per mille.	Districts.	Ratio per mille.
Backerganj	40·20	24. Pergunnahs	26·76
Birbhum	32·40	Howrah	26·52
Darjiling	29·76	Serampore	26·40
Rangpore	29·40	Midnapore	25·92
Jalpaiguri	28·44	Burdwan	25·68
Khulna	28·32	Puri	25·44
Dinajpur	27·96	Rajshahye	25·32
Hughli	26·88	Hazaribagh	25·32

3. That referring to the incidence of the specific death-causes mentioned in the table given below, it is seen that fever prevailed with noticeably high mortality during the month under notice as compared with the results of the corresponding month of the preceding year, and that the fatal results from the other diseases exhibited only fractional variations, excepting bowel-complaints, the death-rate from which was the same as that recorded in March 1887:—

	Ratio per mille during—	
	March 1888.	March 1887.
Cholera	1·80	1·66
Small-pox	·12	·08
Fever	14·64	13·56
Bowel-complaints	·72	·72
Injury	·12	·24
Other causes	3·24	2·76

4. That cholera and fever exhibited greatest activity in the undermentioned Municipalities, while the rest of the diseases did not display noticeable fatality anywhere, excepting in Puri and in Tipperah, where 14·16 and 10·56 per 1,000 of the population, respectively, died from the maladies classed under the head of Other causes:—

Cholera.		Fever.	
	Ratio per mille.		Ratio per mille.
Backerganj	18·60	Rangpore	26·76
Khulna	7·68	Dinajpur	26·40
24. Pergunnahs	7·32	Jalpaiguri	26·40
Howrah	6·36	Birbhum	23·40
Serampore	4·80	Rajshahye	23·16
Chittagong	4·32	Darjiling	22·00
Puri	4·32	Bogra	21·60
Balasore	4·08	Maldah	21·60
Jessore	3·48	Hazaribagh	20·88
Faridpore	3·24	Purneah	20·76
Burdwan	3·00	Marshidabad	20·28
Tipperah	2·76	Pubna	20·64
Midnapore	2·64		
Manbhum	2·64		
Bankura	2·52		

5. That the death-rates in relation to Sex, Class and Age stood as noted below:—

According to Sex.		According to Class		According to Age.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	23·52	Christians	19·68	Under 1 year	140·64
Females	18·60	Hindus	20·16	1 and under 5 years	20·40
Ratio of male deaths to every 100 female deaths	124	Mahomedans	22·68	5 " " 10 "	9·24
		Budhists	16·44	10 " " 15 "	8·64
		Other classes	2·20	15 " " 20 "	12·96
				20 " " 30 "	14·52
				30 " " 40 "	17·40
				40 " " 50 "	22·80
				50 " " 60 "	31·92
				60 years and upwards	51·48

R. LIDDERDALE, M.D., Deputy Surgeon-General,

Sanitary Commissioner for Bengal.

The 21st May 1888.

MORTALITY ACCORDING TO--

[illegible]

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 21st May 1888.

MEMORANDUM.

THE table annexed to this memorandum shows—

1. That during the week ending 5th May 1888, the birth and death-rates of the principal Municipalities in Bengal amounted to 16·8 and 25·4 per 1,000 of population respectively, as opposed to 18 and 24·7 per 1,000 respectively, in the preceding week ending 28th April, indicating a retrogression in the registration of births.

2. That the following Municipalities furnished the highest proportions of births and deaths :—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Comillah	...	42·3	Comillah	...	61·6
Durbhanga	...	37·0	Utterpara	...	56·6
Bhagulpore	...	31·7	Suburbs of Calcutta	...	47·2
Beaulah	...	31·5	Chittagong	...	47·0
Monghyr	...	29·8	Durbhanga	...	37·8
			Gya	...	37·6
			Serampore	...	36·3
			Hughli	...	34·9

3. That the mortality from the principal diseases does not exhibit any noticeable differences in comparison with the death-rates from the same diseases during the preceding week :—

						Ratio per mille during the weeks ending—	
						5th May 1888.	28th April 1888.
Cholera	...	...	...	...	...	7·5	7·3
Small-pox	...	...	...	...	...	4	2
Fever	...	...	...	...	...	8·2	8·5
Bowel-complaints	...	...	...	...	...	2·1	2·0
Injury	...	...	...	...	...	2	3
Other causes	...	...	...	...	...	6·9	6·4

4. That the suffering from cholera and the maladies classed under the head of "Other causes" was greatest in the undermentioned Municipalities, the other diseases exhibiting no special local severity :—

Cholera.			Other causes.		
		Ratio per mille.			Ratio per mille.
Chittagong	...	42·3	Comillah...	...	34·6
Suburbs of Calcutta	...	18·4	Serampore	...	15·7
Comillah	...	15·4	Durbhanga	...	14·2
Hughli	...	13·4	Suburbs of Calcutta...	...	10·8
Howrah	...	10·8	Gya	...	10·2
Patna	...	6·6			
Dacca	...	5·8			
Gya	...	4·8			

5. That the death-rates under the heads of *Sex*, *Class* and *Age* stood as follows :—

According to Sex.			According to Class.			According to Age.		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Males	...	27·6	Christians	...	30·4	Under 1 year	...	166·3
Females	...	22·9	Hindus	...	24·5	1 and under 5 years	...	37·3
Ratio of male deaths to every 100 female deaths	136		Mahomedans	...	27·5	5 " 10 "	...	13·5
						10 " 15 "	...	11·0
						15 " 20 "	...	25·1
						20 " 30 "	...	16·1
						30 " 40 "	...	20·9
						40 " 50 "	...	19·1
						50 " 60 "	...	20·5
						60 years and upwards	...	49·7

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

The 21st May 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 5th May 1888.

POPULATION.			BIRTHS.			MORTALITY ACCORDING TO—										Sex.			
NAMES OF MUNICIPAL PAUCITIES.			NUMBER OF—			RATIO PER 1,000 OF POPULATION PER ANNUM.			RATIO PER 1,000 OF POPULATION PER ANNUM.			DEATHS FROM—			RATIO PER 1,000 OF POPULATION PER ANNUM.			Ratio of male deaths to every 100 female deaths.	

* A special census of the Europeans in the Municipalities was recently taken, as the census of this section of the community, taken in February, 1931, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives and the ratio of male deaths to every 100 female deaths, the ratios under which have been omitted, inasmuch as the census of the Europeans was not taken in that month.

NAME OF MUNICIPALITY.		MORTALITY ACCORDING TO—										Age.									
		Class.					Deaths.					Ratio per 1,000 of population per annum.									
		Deaths among—					Ratio per 1,000 of population per annum.					Ratio per 1,000 of population per annum.									
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and up.					
Burdwan
Midnapore
Hughli and Chinsurah
Baranpore
Utterpara
Howrah
Bali
Suburbs of Calcutta
Kalnagar
Ranaghat
Santipore
Jessore
Rajshahye
Rampore Beaulah
Darjiling
Dacca
Chittagong
Comilla
Patna
Gya
Bahabad
Kancherpo
Durban
Chupra
Shahdol
Meerut
Purnea
Puri
Total

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 21st May 1888.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing quantities of Goods carried during the month of March 1888.

ORISSA CIRCLE.

TALDUNDAH CANAL SYSTEM.

LENGTH OF CANAL OPEN { TALDUNDAH CANAL, 27 MILES.
MACHGONG " 4 "

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	
		Up.	Down.	Total.	Rupees.	Tons.	
29	1. Grain ...	.....	433	433	9,085	433	9,085
...	2. Cotton ...	.....	.....	.....	.....	.....	.....
.....	3. Oilseeds ...	.....	.....	.....	.....	.....	.....
.....	4. Salt ...	.....	.....	.....	.....	.....	.....
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
37	7. Building materials ...	.....	382	382	910	371	390
5	8. Miscellaneous ...	.....	47	47	4,935	47	4,935
2	9. Fuel ...	.....	7	7	75	7	75
22 rafts	10. Timber ...	.....	159 No.	159 No.	323	159 No.	323
76 "	11. Bamboos ...	.....	62,900 "	62,900 "	901	62,900 "	901
73 & 98 rafts.	12. Total ...	.....	69 & 63,059 No.	860 & 63,059 No.	16,259	858 & 63,059 No.	15,709
56 & 30 rafts.	13. Total of same month last year	.....	625 & 52,366 No.	625 & 52,366 No.	7,924	486 & 52,366 No.	6,924
14. Total number of boats plying cargo	No.	.....	73	73	Total tollage of month—24 + 25 + 26 ...		Rs. A. P. 498 4 5
15. Total number of boats plying passenger	No.	28	2	30	Total tollage of same month last year ...		488 11 0
15½. Total number of empty boats	No.	80	34	114	Memorandum of Tollage.		
16. Total registered tonnage, cargo	... Tons	.....	1,454	1,454			
17. Total registered tonnage, passenger	... Tons	887	4	891			
18. Ton-mileage	...	2,661	16,064	18,725			
19. Estimated value of cargo	Rs.	.....	15,035	15,035			
20. Number of passengers	...	2,636	3	2,639			
21. Rafts, bamboos	No.	.....	62,900	62,900			
22. Do., bullahs	"	.....	159	159			
23. Estimated value of rafts	...	.....	1,224	1,224			
24. Tollage on boats	Rs.	172-12-0	265-14-0	438-10-0			
25. Compounded tollage on boats	Rs.	.....	.....	.....
26. Tollage on rafts	"	.....	59-10-5	59-10 5			
27. Total tollage on boats per ton-mile	...	.....	.....	0-0-4-48			
28. Total tollage on rafts per 100 cubic feet	...	.....	.....	.....
					1. Balance not recovered on the 1st of the month	...	Rs. A. P. 199 2 9
					2. Tollage per month	...	498 4 5
					3. Total	...	697 7 2
					4. Amount credited in the accounts of the month	...	559 8 10
					5. Balance due at the end of the month	...	137 14 4

KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	
		Up.	Down.	Total.	Rupees.	Tons.	
243	1. Grain ...	923	1,590	2 513	1,42,120	2,513	1,42,120
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....
7	3. Oilseeds ...	7	91	98	10,720	98	10,720
20	4. Salt ...	49	53	102	9,920	102	9,920
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
88	7. Building materials ...	.....	1,065	1,065	8,360	279	6,340
166	8. Miscellaneous ...	575	295	870	1,78,680	870	1,78,680
5	9. Fuel ...	21	.....	21	120	21	120
13 rafts	10. Timber ...	.....	1,614 No.	1,614 No.	3,500	1,614 No.	3,500
48 „	11. Bamboos ...	.....	124,890 „	124,890 „	1,500	124,890 „	1,500
529 & 61 rafts	12. Total ...	1,575	{ 3 094 & 126,504 No. }	{ 4 669 & 126,504 No. }	{ 3,54,920 }	{ 3,883 & 126,504 No. }	{ 3,72,900 }
471 & 56 rafts.	13. Total of same month last year	{ 1,696 & 84 No. }	{ 2,159 & 76,146 No. }	{ 3,855 & 76,230 No. }	{ 3,77,970 }	{ 3,365 & 76,230 No. }	{ 3,74,560 }
		Up.	Down.	Total.			Rs. A. P.
14. Total number of boats plying cargo No.		290	239	529	Total tollage of month— 24 + 25 + 26 ...		5,941 6 5
15. Total number of boats plying passenger No.		1,575	3,094	4,669	Total tollage of same month last year ...		5,751 15 7
15½. Total number of empty boats No.		214	214	428	Memorandum of Tollage.		
16. Total registered tonnage, cargo Tons		3,025	4,515	7,540			
17. Total registered tonnage, passenger Tons		1,157	1,720	2,877			
18. Ton-mileage ...		117,683	217,847	364,930			
19. Estimated value of cargo Rs.		1,74,220	175,700	3,49,920			
20. Number of passengers ...		1,725	3,365	5,090			
21. Rafts, timber No.		.....	1,614	1,614			
22. Do., bamboos „		.....	124,890	124,890			
23. Estimated value of rafts ...		.....	5,000	5,000			
24. Tollage on boats Rs.		2,616-13-10	3,109-2-10	5,726-0-8			
25. Compounded tollage on boats ... Rs.		.....	.....	.....
26. Tollage on rafts „		.....	215-5-9	215-5-9			
27. Total tollage on boats per ton-mile ...		.....	.....	0-0-3			
28. Total tollage on rafts per 100 cubic feet ...		.....	.....	0-2-9			
					1. Balance not recovered on the 1st of the month ...		8,224 6 7
					2. Tollage per month ...		5,941 6 5
					3. Total ...		14,165 13 0
					4. Amount credited in the accounts of the month ...		7,240 9 7
					5. Balance due at the end of the month ...		6,925 3 5

HIGH LEVEL CANAL, RANGE I.

LENGTH OF CANAL OPEN, 33 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
143	1. Grain ...	492	4	496	85,610	496	35,810
1	2. Cotton ...	.....	7	7	2,000	7	2,000
1	3. Oilseeds ...	1	.....	1	30	1	30
32	4. Salt ...	.....	133	133	11,070	133	11,070
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
60	7. Building materials ...	71	572	643	710	75	380
133	8. Miscellaneous ...	362	137	499	17,020	499	17,020
28	9. Fuel ...	256	.....	256	710	256	710
8 rafts	10. Timber ...	2,932 No.	.....	2,932 No.	6,000	2,932 No.	6,000
5 „	11. Bamboos ...	.....	11,100 No.	11,100 „	150	11,100 „	150
398 & 13 rafts.	12. Total No.	{ 1,182 & 2,932 No.	{ 853 & 11,100 No.	{ 2,035 & 14,032 No.	{ 73,300	{ 1,467 & 14,032 No.	{ 72,970
367 & 16 rafts	13. Total of same month last year ...	{ 1,017 & 4,373 No.	{ 683 & 3,100 No.	{ 1,700 & 7,473 No.	{ 89,410	{ 1,348 & 7,473 No.	{ 89,260
		Up.	Down.	Total.			Rs. A. P.
14.	Total number of boats plying cargo No.	291	107	398	Total tollage of month— 24 + 25 + 26		1,036 12 9
15.	Total number of boats plying passenger No.	5	1	6	Total tollage of same month last year ...		1,210 5 9
15½.	Total number of empty boats No.	81	272	353			
16.	Total registered tonnage, cargo Tons	2,183	1,272	3,455	Memorandum of Tollage.		
17.	Total registered tonnage, passenger Tons	18	4	22			
18.	Ton-mileage ...	29,132	11,318	40,450			Rs. A. P.
19.	Estimated value of cargo Rs.	39,680	27,470	67,150	1. Balance not recovered on the 1st of the month ...		571 15 9
20.	Number of passengers ...	13	2	15	2. Tollage per month ...		1,036 12 9
21.	Rafts, bamboos No.	.....	11,100	11,100	3. Total ...		1,608 12 6
22.	Do., timber „	2,932	.....	2,932	4. Amount credited in the accounts of the month ...		1,432 6 9
23.	Estimated value of rafts ...	6,000	150	6,150	5. Balance due at the end of the month ...		1 6 5
24.	Tollage on boats Rs.	545-14-6	311-0-9	856-15-3			
25.	Compounded tollage on boats Rs.	.....	.....	.....
26.	Tollage on rafts „	169-8-0	10-5-6	179-13-6			
27.	Total tollage on boats per ton-mile ...	.....	.....	0-0 4			
28.	Total tollage on rafts per 100 cubic feet ...	.....	.....	1-4 5			

HIGH LEVEL CANAL, RANGE II.

LENGTH OF CANAL OPEN, 12½ MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity - Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
76	1. Grain ..	180½	11	191½	19,865	191½	10,865	
7	2. Cotton ..	.....	.....	.....	.....	.....	.....
7	3. Oilseeds ..	.....	17½	17½	1,564	17½	1,564	
11	4. Salt ..	.....	43	43	6,060	43	6,060	
2	5. Piece-goods ..	.....	18	18	5,140	18	5,140	
143	6. Metal ..	.....	12	12	1,000	12	1,000	
6	7. Building materials ..	.....	1,311½	1,311½	1,245	.....	.....
.....	8. Miscellaneous ..	.....	14	14	3,510	14	3,510	
.....	9. Fuel ..	.....	.....	.....	.....	.....	.....
12 rafts	10. Timber ..	45 No.	218 No.	263 No.	1,192	263 No.	1,192	
37 "	11. Bamboos ..	.....	17,830 "	17,830 "	534	17,830 "	534	
252 & 49 rafts.	12. Total ..	{ 180½ & 45 No	{ 1,427 & 18,018 No.	{ 1,607½ & 18,093 No.	{ 31,110 }	{ 256 & 18,093 No	{ 29,865 }	
395	13. Total of same month last year ..	1,370	40	1,410	29,045	537	28,510	
		Up.	Down.	Total.				Rs. A. P.
14. Total number of boats plying cargo ...		67	185	252	Total tollage of month— 24+25+26 ...			701 2 9
15. Total number of boats plying passenger ...		5	4	9				
15½. Total number of empty boats ...		72	188	260	Total tollage of same month last year ...			464 10 9
16. Total registered tonnage, cargo ...		361	2,854	3,215				
17. Total registered tonnage, passenger ...		29	12	41	Memorandum of Tollage.			
18. Ton-mileage ...		19,490	26,441	45,931				Rs. A. P.
19. Estimated value of cargo Rs.		9,369	20,015	29,384	1. Balance not recovered on the 1st of the month ...			0 15 0
20. Number of passengers ...		100	73	173				
21. Rafts, bamboos ...		.....	17,830	17,830				
22. Do., timber ...		45	218	263	2. Tollage per month ...			701 2 9
23. Estimated value of rafts ...		102	1,624	1,726				
24. Tollage on boats Rs.		162-6-3	513-11-3	676-1-6	3. Total ...			702 1 9
25. Compounded tollage on boats ...		.....	.....	.....	4. Amount credited in the accounts of the month ...			702 1 9
26. Tollage on rafts ...		2-6-3	22-11-0	25-1-3				
27. Total tollage on boats per ton-mile ...		.....	.....	0-0-2-8				
28. Total tollage on rafts per 100 cubic feet ...		.....	.....	.....	5. Balance due at the end of the month ...			Nil.

HIGH LEVEL CANAL, RANGE III.

LENGTH OF CANAL OPEN, 19 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	
		Up.	Down.	Total.	Rupees.	Tons.	
45	1. Grain ...	121	2	123	6,474	123	6,474
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....
1	3. Oilseeds ...	.....	3½	3½	194	3½	194
2	4. Salt ...	5½	3½	9	1,012	9	1,012
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
1	6. Metal ...	.....	3½	3½	350	.....	.....
67	7. Building materials ...	.....	646½	646½	303	.....	.....
.....	8. Miscellaneous ...	.....	.....	.....	.....	.....	.....
.....	9. Fuel ...	.....	.....	.....	.....	.....	.....
.....	10. Timber ...	.....	.....	.....	.....	.....	.....
3 rafts	11. Bamboos ...	.....	200 No.	200 No.	5	200 No.	5
116 & 3 rafts.	12. Total ...	126½	659 & 200 No.	785½ & 200 No.	8,338	135½ & 200 No.	7,685
145	13. Total of same month last year	197	234	431	9,796	157	9,446
		Up.	Down.	Total.			Rs. A. P.
14.	Total number of boats plying cargo No.	45	71	116	Total tollage of month—24 + 25 + 26 ...		325 4 0
15.	Total number of boats plying passenger No.	3	2	5	Total tollage of same month last year ...		143 0 9
15½.	Total number of empty boats No.	74	43	117			
16.	Total registered tonnage, cargo Tons	254	1,318	1,571	Memorandum of Tollage.		
17.	Total registered tonnage, passenger Tons	25	13	38			Rs. A. P.
18.	Ton-mileage ...	6,128	7,541	13,669	1. Balance not recovered on the 1st of the month ...		.....
19.	Estimated value of cargo Rs.	6,862	1,371	8,333	2. Tollage per month ...		325 4 0
20.	Number of passengers ...	71	102	173	3. Total ...		325 4 0
21.	Rafts, bamboos No.	.....	200	200	4. Amount credited in the accounts of the month ...		325 4 0
22.	Do., bullahs No.	.....	.....	.....	5. Balance due at the end of the month ...		.....
23.	Estimated value of rafts ...	.....	5	5			
24.	Tollage on boats Rs.	85-2-3	239-15-9	325-2-0			
25.	Compounded tollage on boats Rs.	.....	.....	.....
26.	Tollage on rafts ..	.....	0-2-0	0-2-0			
27.	Total tollage on boats per ton-mile ...	.....	.....	0-0-4 6			
28.	Total tollage on rafts per 100 cubic feet ..	.....	.....	0-1-0			

SOUTH-WESTERN CIRCLE

MIDNAPORE CANAL.

LENGTH OF CANAL OPEN, 53 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.			REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupess.	Tons.	Rupess.	
1,264	1. Grain ...	8,114	615	8,729	3,23,560	8,729	3,23,560	
2	2. Cotton ...		4	4	1,900	4	1,900	
77	3. Oilseeds ...	599	213	812	89,998	812	89,998	
94	4. Salt ...	.....	1,006	1,006	93,510	1,006	93,510	
1	5. Piece-goods ...	.....	1	1	3,000	1	3,000	
16	6. Metal ...	29	82	111	54,540	111	54,540	
33	7. Building materials ...	427	30	457	2,222	234	1,597	
514	8. Miscellaneous ...	1,218	631	1,849	5,23,383	1,849	5,23,383	
31	9. Fuel ...	95	108	203	2,441	203	2,441	
98 rafts	10. Timber ...	28,665 c. ft.	325 c. ft.	28,990 c. ft.	15,171	28,990 c. ft.	15,171	
7 "	11. Bamboos ...	1,630 "	75 "	1,705 "	65	1,705 "	65	
2,032 & 105 rafts.	12. Total ...	{ 10,482 & 30,295 c. ft.	2,690 & 400 c. ft.	13,172 & 30,695 c. ft.	{ 11,09,790	{ 12,949 & 30,695 c. ft.	{ 11,09,165	
1,997 & 88 rafts.	13. Total of same month last year.	{ 9,866 & 26,221 c. ft.	3,312 & 1,072 c. ft.	13,178 & 27,293 c. ft.	{ 7,49,373	{ 13,178 & 27,293 c. ft.	{ 7,49,373	
		Up.	Down.	Total.				
14. Total number of boats plying cargo	No.	1,557	475	2,032	Total tollage of month— 24 + 25 + 26 ...			Rs. A. P. 13,508 6 9
15. Total number of boats plying passenger	No.	493	597	1,090	Total tollage of same month last year ...			12,795 4 3
15½. Total number of empty boats	No.	562	1,169	1,731	Memorandum of Tollage.			
16. Total registered tonnage, cargo	Tons	21,136	6,741	27,880				
17. Total registered tonnage, passenger	Tons	2,722	2,604	5,326				
17½. Total registered tonnage, empty	Tons	2,131	5,423	7,554				
18. Ton-mileage		6,01,986	2,73,640	8,75,626	1. Balance not recovered on the 1st of the month			Rs. A. P. 4,526 10 2
19. Estimated value of cargo	Rs.	6,49,955	4,44,599	10,94,554	2. Tollage per month			13,508 6 9
20. Number of passengers		5,392	7,928	13,320	3. Total			18,035 0 11
21. Rafts, bamboos	c. ft.	1,630	75	1,705	Deduct refund			22 12 0
22. Do., timber	"	28,665	325	28,990	4. Amount paid into treasury during the month			12,360 2 3
23. Estimated value of rafts		14,448	788	15,236	5. Balance due at the end of the in month			5,152 2 8
24. Tollage on boats	Rs.	8,858-15-3	4,330-6-6	13,189-5-9				
25. Compounded tonnage on boats	Rs.	.....	.....	.....	
26. Tollage on rafts	"	314-0-0	5-1-0	319-1-0				
27. Total tollage on boats per ton-mile	Pie	.....	.....	0-0-2-9				
28. Total tollage on rafts per 100 cubic feet	Rs.	.....	.....	1-0-6				

HIDGELLER TIDAL CANAL.

LENGTH OF CANAL OPEN, 29 MILES.

Number of boats or rafts.	Description.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity - Tons.			Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
	1. Grain ...						Canal closed for silt clearance.
	2. Cotton ...						
	3. Oilseeds ...						
	4. Salt ...						
	5. Piece-goods ...						
	6. Metal ...						
	7. Building materials ...						
	8. Miscellaneous ...						
	9. Fuel ...						
	10. Timber ...						
	11. Bamboos ...						
	12. Total ...						
1,632 & 8 rafts.	13. Total of same month last year.	4,612 & 170 c.ft.	1,136 & 869 c.ft.	5,748 & 1,039 c.ft.	3,20,339 { 5,635 & 1,039 c.ft.	3,13,099	
14.	Total number of boats plying cargo No.	Up.	Down.	Total.	Total tollage of month— 24 + 25 + 26 ...		Rs. A. P.
15.	Total number of boats plying passenger No.				Total tollage of same month last year ...		5,481 1 0
16.	Total registered tonnage, cargo Tons				Memorandum of Tollage.		
17.	Total registered tonnage, passenger Tons						
18.	Ton-mileage ...						Rs. A. P.
19.	Estimated value of cargo ...				1. Balance not recovered on the 1st of the month ...		.....
20.	Number of passengers ...				2. Tollage per month ...		.....
21.	Rafts, bamboos c. ft.				3. Total ...		.....
22.	Do., bullahs "				4. Amount paid into treasury during the month ...		.....
23.	Estimated value of rafts Rs.				5. Balance due at the end of the month ...		.....
24.	Tollage on boats Rs.						
25.	Compounded tollage on boats ... Rs.						
26.	Tollage on rafts "						
27.	Total tollage on boats per ton-mile ...						
28.	Total tollage on rafts per 100 cubic feet ...						

SONE CIRCLE.
PATNA CANAL SYSTEM.
LENGTH OF CANAL OPEN, 86½ MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity - Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
2	1. Grain ...	.....	8	8	530	8	530	
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....
25	3. Oilseed ...	5	327	332	28,093	332	28,093	
23	4. Salt ...	247	.....	247	12,174	247	12,174	
37	5. Piece-goods ...	235	23	258	27,570	241	26,760	
.....	6. Metal ...	6	1	7	2,851	7	2,851	
15	7. Building materials ...	.....	128	128	389	128	389	
49	8. Miscellaneous ...	123	202	325	61,211	267	63,710	
2	9. Fuel ...	.....	5	5	31	5	31	
4	10. Timber { boats rafts	12	2	14	575	8	325	
13	11. Bamboos { boats rafts	101	.....	101	2,230	101	2,230	
		.....	4,184	4,184	65,094	4,184	65,094	
170	12. Total ...	729	5,972	6,701	2,11,568	6,620	2,12,507	
147	13. Total of same month last year	742	3,619	4,361	1,77,506	4,277	1,71,829	
		Up.	Down.	Total.				Rs. A. P.
14.	Total number of boats plying cargo No.	98	72	170	Total tollage of month— 24 + 25 + 26 ...			4,435 5 6
15.	Total number of boats plying passenger No.	9	6	15				
15½.	Total number of empty boats No.	51	29	80	Total tollage of same month last year ...			2,537 11 9
16.	Total registered tonnage, cargo Tons	1,361	1,123	2,484				
17.	Total registered tonnage, passenger Tons	146	111	257				
17½.	Total registered tonnage, empty boats Tons	228	121	349	Memorandum of Tollage.			
18.	Ton-mileage ...	97,406	3,62,943	4,60,349				Rs. A. P.
19.	Estimated value of cargo ...	52,614	86,040	1,38,654	1. Balance not recovered on the 1st of the month ...			408 12 3
20.	Number of passengers	404½	331½	736	2. Tollage per month ...			4,435 5 6
21.	Rafts, bamboos c. ft.	.....	6,27,627	6,27,627	3. Total ...			4,844 1 9
22.	Do., bullahs "	.....	81,893	81,893				
23.	Estimated value of rafts Rs.	.....	75,414	75,414				
24.	Tollage on boats "	800-6-6	711-6-9	1,511-13-3				
25.	Compoundd tollage on boats Rs.	75-0-0	75-0-0	150-0-0				
26.	Tollage on rafts "	.....	2,773-8-3	2,773-8-3	4. Amount credited in the accounts of the month ...			3,997 9 6
27.	Total tollage on boats per ton-mile	.....	.....	0-0-69				
28.	Total tollage of rafts per 100 cubic feet	.....	.....	0-6-3	5. Balance due at the end of the month ...			846 8 3

ARRAH CANAL SYSTEM.

LENGTH OF CANAL OPEN, 65 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
6	1. Grain ...	72	33	105	10,132	105	10,132	
1	2. Cotton ...	1	.....	1	175	1	175	
3	3. Oilseeds ...	1	23	24	1,976	24	1,976	
27	4. Salt ...	298	.....	298	33,045	298	33,045	
2	5. Piece-goods ...	24	.....	24	23,565	24	23,565	
1	6. Metal ...	6	1	7	860	3	360	
11	7. Building materials ...	4	62	66	474	15	61	
69	8. Miscellaneous ...	37	457	494	4,21,983	487	4,21,823	
6	9. Fuel ...	24	32	56	668	32	450	
1	10. Timber ...	1	12	13	515	13	515	
Rafts	11. Firewood ...	.....	234	234	1,379	234	1,379	
	Bullahs ...	.....	668	668	3,571	668	3,571	
	Bamboos ...	.....	759	759	7,942	759	7,942	
127	12. Total ...	468	2,281	2,749	5,06,285	2,663	5,04,994	
192	13. Total of same month last year	666	2,397	3,063	4,75,232	2,786	4,73,676	
		Up	Down.	Total.				Rs. A. P.
14.	Total number of boats plying cargo No.	48	79	127	Total tollage of month— 24 + 25 + 26 ...			1,563 15 0
15.	Total number of boats plying passenger No.	1	4	5	Total tollage of same month last year ...			1,782 10 3
15½.	Total number of empty boats No.	65	5	70				
16.	Total registered tonnage, cargo Tons	647	939	1,636	Memorandum of Tollage.			
17.	Total registered tonnage, passenger Tons	61	75	136				
17½.	Total registered tonnage, empty Tons	173	13	186				
18.	Ton-mileage ...	51,873	53,817	1,05,690				Rs. A. P.
19	Estimated value of cargo Rs.	4,48,854	44,539	4,93,393	1. Balance not recovered on the 1st of the month ...			216 11 0
20.	Number of passengers ...	862	975	1,837	2. Tollage per month ...			1,563 15 0
21.	Rafts, bamboos c. ft.	.....	1,13,972	1,13,972	3. Total ...			1,780 10 0
22.	Do., bullahs "	.....	50,150	50,150	4. Amount credited in the accounts of the month ...			1,695 11 6
22½.	Do., firewood "	.....	17,560	17,560	5. Balance due at the end of the month ...			84 14 6
23.	Estimated value of rafts Rs.	.....	12,892	12,892				
24.	Tollage on boats "	178-9-9	308-7-3	487-1-0				
25.	Compounded tollage on boats Rs.	292	292	584				
26.	Tollage on rafts "	.....	492-14-0	492-14-0				
27.	Total tollage on boats per ton-mile ...	.....	.....	0-0-1-94				
28.	Total tollage on rafts per 100 cubic feet ...	.....	.....	0-4-4				

BUXAR CANAL SYSTEM.

LENGTH OF CANAL OPEN, 67 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	
		Up.	Down.	Total.	Rupees.	Tons.	
3	1. Grain ...	11	21	32	3,070	32	3,070
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....
2	3. Oilseeds ...	10	11	21	2,409	21	2,409
.....	4. Salt ...	.....	.....	.....	.....	.....	.....
.....	5. Piece-goods ...	2	.....	2	2,200	2	2,200
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
40	7. Building materials ...	43	480	523	18,656	283	10,575
18	8. Miscellaneous ...	24	204	228	31,657	228	31,657
.....	9. Fuel ...	.....	.....	.....	.....	.....	.....
Rafts {	10. Timber ...	.....	180	180	2,391	180	2,391
	11. Bamboos ...	.....	645	645	11,619	645	11,619
63	12. Total ...	90	1,541	1,631	72,002	1,391	63,921
105	13. Total of same month last year.	40	2,003	2,043	1,13,833	1,584	96,804
		Up.	Down.	Total.			Rs. A. P.
14.	Total number of boats plying cargo No.	10	53	63	Total tollage of month— 24 + 25 + 26 ...		977 5 9
15.	Total number of boats plying passenger No.	10	9	19			
15½.	Total number of empty boats No.	41	7	51	Total tollage of same month last year ...		1,144 13 6
16.	Total registered tonnage, cargo Tons	115	1,766	1,881			
17.	Total registered tonnage, passenger Tons	247	213	490			
17½.	Total registered tonnage, empty Tons	162	15	177	Memorandum of Tollage.		
18.	Ton-mileage ...	9,591	45,970	55,561			
19.	Estimated value of cargo Rs.	13,061	44,931	57,992			Rs. A. P.
20.	Number of passengers ...	634	591½	1,225½	1. Balance not recovered on the 1st of the month ...		14 8 3.
21.	Rafts, bamboos c. ft.	.....	96,833	96,833	2. Tollage per month ...		977 5 9
22.	Do., bullehs "	.....	13,485	13,485	3. Total ...		991 14 0
23.	Estimated value of rafts Rs.	.....	14,010	14,010	4. Amount credited in the accounts of the month ...		898 12 9
24.	Tollage on boats "	73-15-9	191-1-3	265-1-0	5. Balance due at the end of the month ...		93 1 3
25.	Compounded tollage on boats Rs.	75-0-0	171-0-0	246-0-0			
26.	Tollage on rafts "	.....	466-4-9	466-4-9			
27.	Total tollage on boats per ton-mile ...	.....	.....	0-0-1-76			
28.	Total tollage on rafts per 100 cubic feet Rs.	.....	.....	0-6-9			

ABSTRACT FOR THE MONTH OF MARCH 1888, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

CANAL.	TRAFFIC, 1887-88.						TRAFFIC, 1886-87.						REMARKS.
	During the month.			To end of the month.			During the month.			To end of the month.			
Orissa Circle.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
Taldudda Canal System ...	498	4	5	6,295	7	8	488	11	0	2,787	2	6	
Kendrapara Canal System	5,941	6	5	47,914	6	8	5,751	15	7	41,009	2	3	
High Level, Range I ...	1,036	12	9	8,442	13	5	1,210	5	9	7,787	12	3	
Ditto, " II ...	701	2	9	4,021	0	3	464	10	9	3,562	2	9	
Ditto, " III ...	325	4	0	1,311	0	9	143	0	9	1,973	2	6	
Total Orissa Circle ...	8,502	14	4	67,984	12	9	8,058	11	10	57,119	6	3	
South-Western Circle.													
Midnapore Canal ...	13,508	6	9	1,25,721	12	9	12,795	4	3	1,13,228	7	9	
Hidgellee Tidal Canal ...	.....			40,046	14	0	5,481	1	0	51,703	10	9	
Total South-Western Circle	13,508	6	9	1,65,768	10	9	18,276	5	3	1,64,932	2	6	
Sone Circle.													
Patna Canal System ...	4,435	5	6	28,296	4	1	2,537	11	9	22,616	8	4	
Arrah ditto ...	1,563	15	0	15,305	14	0	1,782	10	3	18,288	12	10	
Buxar ditto ...	977	5	9	8,029	13	5	1,144	13	6	9,000	15	3	
Total Sone Circle ...	6,976	10	3	51,541	15	6	5,465	3	6	49,936	4	5	
GRAND TOTAL ...	28,987	15	4	2,85,295	7	0	31,800	4	7	2,71,987	13	2	

GOVERNMENT TRANSPORT SERVICE.

CANAL.	TRAFFIC, 1887-88.						TRAFFIC, 1886-87.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.
<i>Orissa Circle.</i>	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
High Level ...	260	706	333 11 5	3,323	6,190	4,365 7 2	342	1,215	526 13 2	7,512	14,060	8,547 8 8
Total Orissa Circle ...	260	706	333 11 5	3,323	6,190	4,365 7 2	342	1,215	526 13 2	7,512	14,060	8,547 8 8

TOTAL NAVIGATION RECEIPTS.

CANAL.	EARNINGS, 1887-88.						EARNINGS, 1886-87.						REMARKS.
	During the month.			To end of the month.			During the month.			To end of the month.			
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
Orissa Canals ...	8,836	9	9	72,350	3	11	8,585	9	0	65,666	14	11	
Midnapore Canal	13,508	6	9	1,25,721	12	9	12,795	4	3	1,18,228	7	9	
Hidgellee Tidal Canal	.....			40,046	14	0	5,481	1	0	51,703	10	9	
Other Canals ...	6,976	10	3	51,541	15	6	5,465	3	6	49,936	4	5	
Total	29,321	10	9	2,89,660	14	2	32,327	1	9	2,80,535	5	10	

A. D. McARTHUR, MAJOR, R.E.,
Under-Secy. to the Govt. of Bengal.

CALCUTTA,
The 22nd May 1888.

PUBLIC WORKS DEPARTMENT, BENGAL.

IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1887-88.

Areas leased for Irrigation up to end of March 1888.

CIRCLE.	DISTRICT.	CANAL.	Esti- mated full dis- charge.	Average discharge utilised.	C. ft.	C. ft.	Discharge utilised.	Approx- imate area of land irrigated during the year up to the end of the month.	Approx- imate area of land irrigated up to the end of the month.	DETAILS OF AREAS LEASED.										RAINFALL, 1887-88.		RAINFALL, 1886-87.		REMARKS.	
										ANNUAL LEASES.						Grand Total.	Up to end of month.	During end of month.	Up to end of month.	During end of month.					
										Five years Kharif.	Five years Zaid.	Rabi.	Sugar- Cane.	Bha- lai.	Ho- weather.						Acres.	Acres.	Acres.		Acres.
OZISSA	Cuttack	Taldanda, 1st	1,542	23 days discharging. Whole month discharging.
		Taldanda, 2nd	606	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Revel.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Nachgong	775	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Kap. Japara	1,967	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Gobri	372	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Part. moondi	853	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		High Level	698	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		High Level	727	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		High Level	727	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
SOUTH W. B. INDIA.	Midnapore	Total	23 days discharging. Whole month discharging.
		Valangona	1,411	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Chandpur	522	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Baruwa	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Baruwa	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Western Main	4,12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Baruwa	1,225	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Baruwa	1,660	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		SOUTH W. B. INDIA.	Sibsaid	Total	
Baruwa	1,440			.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baruwa	1,440			.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	.....			.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baruwa	1,440			.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baruwa	1,440			.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	.....			.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baruwa	1,440			.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Baruwa	1,440			.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
SOUTH W. B. INDIA.	Grand Total			Total
		Baruwa	1,440	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Baruwa	1,440	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Baruwa	1,440	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Baruwa	1,440	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Baruwa	1,440	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Baruwa	1,440	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

A. D. McARTHUR, Major, R.E.,
Under-Secretary to the Govt. of Bengal.

The 21st May 1888.

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 19th May 1888,
as compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 19TH MAY 1888.			WEEK ENDING SATURDAY, THE 21ST MAY 1887.		
	Number of bouts.	Weight of cargo.	Tollage.	Number of bouts.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	381	98,125	1,586	258	51,780	87
Jute ...	17	10,800	176	6	1,700	3
Firewood ...	156	1,23,545	1,512	72	34,000	48
Other articles ...	710	1,72,470	2,498	638	1,67,521	2,56
Total ...	1,264	4,04,940	5,772	973	2,55,001	3,95

Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of January 1888, as compared with the same month of the previous year.

STAPLES.	1888.		1887.		TOTAL.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1888.	1887.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	7,836	1,374	2,720	1,452	9,210	4,172	5,038	.....
Cotton, raw	16	374	1	39	390	31	359	.....
Cotton, twist and yarn—								
1.—European								
2.—Indian								
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	1,907	179	1,544	219	2,086	1,763	323	.....
b.—In boxes								
2.—Indian—								
a.—In bales and bundles								
b.—In boxes								
Grains—								
1.—Rice	3,805	6,846	473	1,558	10,651	2,631	8,020	.....
5.—Others	767	7,233	439	2,263	8,000	2,693	5,307	.....
Hides and Skins—								
1.—Hides of cattle—								
a.—Dressed								
b.—Undressed								
2.—Skins of sheep, &c.—								
a.—Dressed	12	543	5	741	555	746	.....	191
b.—Undressed								
Jute—								
1.—Raw—								
a.—Screwed		2,642		2,692	2,612	2,692	556	.....
b.—Unscrewed	7	11,127	3	13,995	11,134	14,998	.....	2,864
2.—Gunny-bags and cloth	194	821	103	860	1,015	963	52	.....
Metals—								
1.—Copper, unwrought								
2.—Brass, unwrought								
3.—Brass and copper, wrought								
4.—Iron	915	110	1,279	83	1,025	1,362	.....	337
5.—Tin								
6.—Others								
Oils—								
2.—Kerosine	215	29	250	2	243	252	.....	9
3.—Others	204	37	123	13	241	136	105	.....
Oilseeds—								
1.—Linseed								
2.—Rape and mustard								
3.—Til or gingelly								
4.—Niger	77	583	263	86	663	349	314	.....
5.—Castor								
6.—Poppy								
7.—Others								
Provisions—								
2.—Nuts	54	241	20	154	295	174	121	.....
3.—Others	498	358	284	104	766	448	318	.....
Railway plant and rolling-stock	218	711	1,798	681	929	2,479	.....	1,550
Salt	429	22	2,301	4	451	2,305	.....	1,854
Sugar—								
1.—Drained								
2.—Undrained	736	594	220	337	1,330	557	773	.....
Tee—								
1.—Foreign								
2.—Indian	1	274	.....	421	278	421	.....	143
Wood—								
1.—Timber	103	125	.....	.....	228	.....	228	.....
2.—Firewood	1,584	119	1,957	58	1,703	2,015	.....	312
Tobacco	61	537	31	195	618	226	392	.....
All other articles of merchandise—								
1.—Unmanufactured								
2.—Manufactured	3,095	1,581	2,001	826	4,676	2,827	1,849	.....
Hay, straw, and wooloo (C. & S.-E. Section)	403	.....	416	.....	402	416	.....	14
Total	23,046	36,485	16,223	26,234	59,531	42,456	17,075	7,274

Excludes local traffic of the Dacca, Northern Bengal, and Kaunia and Dharla Railways during 1887.

Comparative statement of the principal commodities carried over the Eastern Bengal State Railway during the month of January 1888.

INCREASES.

Coal	5,038
From the East Indian Railway for railway and flotilla purposes.	359
Cotton	323
The total weight carried during the month was only 390 tons. The traffic is from Naraingunge principally.	323
Cotton piece-goods	8,620
Grains	5,307
Good crops and a favourable market.	556
Jute, screwed	314
The increase is trifling.	318
Oilseeds	773
The Calcutta market in seeds was very unsettled during the month.	312
Provisions	1,550
For the Darjeeling and Himalayan Railway principally.	1,854
Sugar	.....
From Ramnagar and Alamdanga principally.	.....
Tobacco	.....
From the Northern Section. Kaunia and Damer show the principal increases.	.....
Jute, unscrewed	2,864
Large decrease in despatch from Goalundo, Naraingunge and Serajgunge.	337
Metals	.....
Due to dullness of market.	.....
Railway plant, &c.	1,550
Decrease in despatch of materials for construction, repairs and renewals.	1,854
Salt	.....
Decline in despatches from Chitpore for Dacca and hide-curing stations on Northern Section, said to be	.....
.....
.....

Weekly Return of Traffic Receipts on Indian Railway

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 12th May 1888, on 1,513½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	295,840*	2,71,687 12 0*	29,71,265 30	7,00,468 11 0	20,09 3 10	9,92,616 10 10	62,7904	113,6344	176,425
Or per mile of railway ...	...	179 7 8	...	46 11 10	13 8 3	6 5 11 3	...	...	...
For previous 18 weeks of half-year ...	4,854,131	55,99,729 6 0	5,10,55,467 30	12,03,176 1 4	3,88,967 4 1	1,79,01,866 11 5	1,107,3024	1,804,1824	3,001,7844
Total for 19 weeks ...	5,150,071	58,71,411 2 0	5,40,26,733 20	12,70,644 12 4	4,09,077 7 11	1,89,84,183 6 3	1,269,0024	2,008,1174	3,268,2994
COMPARISON.									
Total for corresponding week of previous year ...	296,587	2,48,547 8 6	30,31,251 10	7,56,692 6 0	17,817 8 3	10,23,057 6 9	62,461	131,188	193,609
Per mile of railway corresponding week of previous year ...	...	165 10 0	...	498 2 5	11 11 8	673 8 1	...	...	...
Total to corresponding date of previous year ...	4,922,8804	55,95,314 11 4	5,19,98,864 30	1,32,04,368 11 11	3,59,452 5 2	1,91,57,075 12 5	1,236,714	2,184,084	3,420

* The increase in coaching traffic is almost general and is partially due to bathing festivals on account of Sauramti and to marriage ceremonies.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 14TH MAY 1887.			RECEIPTS FOR WEEK ENDING 12TH MAY 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 14TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 12TH MAY 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		
1,519	10,23,057	674	1,513½	9,92,617	666	1,519	61,32,762	706	1,512½	60,10,829	662	...	1,21,934

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 12th May 1888, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	13,554	5,994 11 0	36,761 10	2,777 10 0	30 0 0	5,892 5 0	1,502	1,035	2,537
Or per mile of railway ...	237	104 12 10	642 30	48 8 11	0 8 5	103 14 2	...	...	...
For previous 18 weeks of half-year ...	272,782	1,06,389 7 6	6,79,490 0	47,147 5 6	737 4 0	1,94,874 0 0	32,528	11,482	44,010
Total for 19 weeks ...	286,336	1,02,384 2 0	7,16,251 10	49,924 15 0	767 4 0	2,03,676 5 0	34,120	12,517	46,637
COMPARISON.									
Total for corresponding week of previous year ...	12,0054	5,053 11 7	45,841 10	3,186 10 0	30 4 0	8,270 9 7	1,066	738	2,304
Per mile of railway corresponding week of previous year ...	217	88 5 8	801 20	55 11 4	0 11 8	144 12 0	...	...	...
Total to corresponding date of previous year ...	273,353	1,42,730 12 5	11,55,071 10	67,710 9 9	968 15 6	2,11,410 5 8	31,580	12,484	50,114

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 14TH MAY 1887.			RECEIPTS FOR WEEK ENDING 12TH MAY 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 14TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 12TH MAY 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		
57½	8,280	145	57½	8,062	139	57½	63,189	184	57½	54,783	180	1,214	...

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 26th May 1888, on 39 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	2,043	Rs. A. P. 1,044 0 0	MDS. S. 31,940 0	Rs. A. P. 2,742 0 0	Rs. A. P. 61 0 0	Rs. A. P. 3,847 0 0	546	546	1,092
Or per mile of railway ...	75	27 0 0	819 0	70 0 0	2 0 0	99 0 0	.....	.....	.....
For previous 20 weeks of half-year ...	57,018	20,612 0 0	5,19,083 0	43,157 0 0	936 0 0	61,705 0 0*	16,920	10,920	27,840
Total for 21 weeks ...	59,061	21,656 0 0	5,51,028 0	45,899 0 0	997 0 0	68,552 0 0	11,466	11,466	22,932
COMPARISON.									
Total for corresponding week of previous year ...	2,375	790 0 0	23,780 0	2,407 0 0	10 0 0	3,207 0 0	539	539	1,078
Per mile of railway corresponding week of previous year ...	61	20 0 0	610 0	64 0 0	.....	84 0 0	.....	.....	.....
Total to corresponding date of previous year ...	20,800	6,974 0 0	2,07,264 0	21,502 0 0	107 0 0	28,763 0 0	4,436	4,436	8,872

* Audited up to week ending 14th April 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Bihar State Railway.

RECEIPTS FOR WEEK ENDING 26TH MAY 1887.			RECEIPTS FOR WEEK ENDING 26TH MAY 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 26TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 26TH MAY 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
39	Rs. 3,207	84	39	Rs. 3,847	99	39	Rs. 28,703	92	39	Rs. 28,212*	90	.....	551

* Audited up to week ending 14th April 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 19th May 1888, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	3,602½	Rs. A. P. 1,271 2 11	MDS. S. 7,452 0	Rs. A. P. 497 7 0	Rs. A. P. 21 6 4	Rs. A. P. 1,790 0 3	509	254	763
Or per mile of railway ...	132	46 10 0	273 0	18 4 0	0 13 0	65 11 0	.....	.....	.....
For previous 19 weeks of half-year ...	61,881½	22,821 13 1	2,94,276 0	16,703 9 0	390 9 8	39,915 15 9	9,671	8,517½	18,188½
Total for 20 weeks ...	65,484	24,093 0 0	3,01,727 0	17,201 0 0	412 0 0	41,706 0 0	10,180	8,771½	18,951½
COMPARISON.									
Total for corresponding week of previous year ...	3,033½	1,175 7 0	7,834 30	406 6 0	18 3 0	1,680 0 0	509	254	763
Per mile of railway corresponding week of previous year ...	111	43 2 0	288 0	17 13 0	0 11 0	61 10 0	.....	.....	.....
Total to corresponding date of previous year ...	60,554	22,847 3 6	2,58,826 30	14,897 4 11	508 9 4	38,253 1 9	10,262	6,002½	17,104½

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 21ST MAY 1887.			RECEIPTS FOR WEEK ENDING 19TH MAY 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 21ST MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 19TH MAY 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
27½	Rs. 1,450	53	27½	Rs. 1,790	66	27½	Rs. 12,301	64	27½	Rs. 12,079	66	478	.....

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 26th May 1888, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,772	1,044 9 11	9,339 20	543 9 0	6 10 0	1,597 12 11	509	254	7
Or per mile of railway ...	102	38 5 0	343 0	20 1 0	0 4 0	58 10 0	.....	.....	.....
For previous 20 weeks of half-year ...	65,708	24,108 6 1	3,02,195 20	17,253 7 0	411 6 0	41,834 3 1	10,199	8,771½	18,9
Total for 21 weeks ...	68,480	25,213 0 0	3,11,535 0	17,800 0 0	418 0 0	43,431 0 0	10,680	9,025½	19,7
COMPARISON.									
Total for corresponding week of previous year ...	2,335½	896 14 0	7,584 20	500 3 0	33 6 3	1,510 7 3	509	254	7½
Per mile of railway corresponding period of previous year ...	86	32 9 0	278 0	21 10 0	1 4 0	55 7 0	.....	.....	.....
Total to corresponding date of previous year ...	62,889½	23,734 1 0	2,06,412 6	15,487 7 11	541 15 7	39,763 0 0	10,761	7,166½	17,92

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR WEEK ENDING 28TH MAY 1887.			RECEIPTS FOR WEEK ENDING 26TH MAY 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 28TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 26TH MAY 1888.			Total increase in 1887-88.	Total decrease in 1887-88.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	1,510	55	27½	1,508	59	27½	13,711	63	27½	14,404	66	603	.....

* Audited up to week ending 7th April 1887

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 26th May 1888, on 259 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 259 miles open ...	43,053	15,691 4 0	2,03,052 30	18,457 10 6	3,349 12 6	37,498 11 0	5,840	6,833	12,673
Or per mile of railway ...	166	60 9 0	784 0	71 4 0	2 11 0	134 8 0*	.....	.....	.....
For previous 20 weeks of half-year ...	860,883	3,35,686 12 0	39,17,985 10	4,26,379 5 6	61,607 3 6	8,23,673 5 0	123,853	155,881	279,734
Total for 21 weeks ...	912,936	3,51,278 0 0	41,21,038 0	4,44,837 0 0	64,957 0 0	8,61,072 0 0	129,704	162,714	292,418
COMPARISON.									
Total for corresponding week of previous year on 249 miles open ...	37,790½	13,598 13 8	1,99,596 20	18,069 5 0	4,278 15 6	36,846 2 2	5,978	6,952	12,93
Per mile of railway corresponding week of previous year ...	152	54 10 0	802 0	76 3 0	4 9 0	135 6 0*	.....	.....	.....
Total to corresponding date of previous year ...	810,835½	3,11,298 2 2	35,15,005 0	3,47,082 13 6	67,573 14 3	7,25,954 13 11	1,18,747	124,864	243,611

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 28TH MAY 1887.			RECEIPTS FOR WEEK ENDING 26TH MAY 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 28TH MAY 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 26TH MAY 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	36,846	149	259	37,499	145	249	2,74,222	138	259	3,05,991	146	39,069	.....

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

						Rs.
Approximate earnings for week ending 19th May 1888	...	...	...	...	...	12,624
Corresponding week last year	...	...	...	...	...	11,008
Increase	...	...	...	...	...	1,616
Receipts from 1st January to 19th May 1888	...	...	...	...	...	1,87,241
From 1st January to 21st May 1887	...	...	...	...	...	1,53,937
Increase	...	...	...	...	...	33,304
						Miles.
Miles open week ending 19th May 1888	...	...	...	...	...	51
Corresponding week last year	...	...	...	...	...	51
						Rs. A. P.
Receipts per mile open week ending 19th May 1888	...	...	...	...	...	247 8 6
Corresponding week last year	...	...	...	...	...	215 13 7
Increase	...	...	...	...	...	31 10 11



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JUNE 13, 1888.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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RESOLUTION ON THE ADMINISTRATION REPORTS OF THE REFORMATORY SCHOOLS AT ALIPORE AND HAZARIBAGH FOR THE YEAR 1887.

RESOLUTION.

JAILS.

Darjeeling, the 5th June 1888.

READ—

- (1) Letter No. 3310, dated 26th April 1888, from the Inspector-General of Jails forwarding the Report of the Administration of the Alipore Reformatory School for the year 1887.
- (2) Letter No. 2960, dated 16th April 1888, from the Inspector-General of Jails, forwarding the Report of the Administration of the Hazaribagh Reformatory School.

Read also—

The Reports for the year 1886, and the orders of Government recorded thereon.

The Alipore School opened 1887 with 109 and closed with 108 boys; 23 were admitted during the year, while 22 were released, 1 died and 1 escaped. There were no serious offences, and the proportion of punishments to the number of boys confined shows a very slight increase. No explanation is given of the increase in the punishments of caning and penal diet coincident with a reduction in the number of fines from 95 to 56. The health of

the school was good. Admissions to hospital rose from 1.96 per cent. daily in 1886 to 2.73 per cent. in 1887, owing to the large number of weak and sickly boys admitted during the last two years, many of whom had to be kept in hospital for some time before being sent to work. One boy died from epileptic fits.

2. No change has been made in the way in which the day is divided between school and work. The boys work for seven hours and have also one hour of compulsory school; they can also attend the night school from 6.30 to 8 P.M. It is very satisfactory that as many as 90 boys on an average attend in the evening. The mark system worked well. The number of boys entitled to marks increased slightly, and the average weekly earnings rose from Re. 1-13-10 in 1886 to Rs. 2-0-4. The total earned during the year was Rs. 222-10-6, including payments for extra work, of which Rs. 177-4 were deposited in the Government Savings Bank.

3. The reports regarding released boys compare favourably with those for last year. Reports were received in the case of 52 boys; 9 only, or 17.3 per cent., of whom 6 were in jail, were said to bear bad characters. 7 only out of the 52 follow the trades they learned at school, out of whom 2 had been only two and three years respectively in the school. The others had been there five years or more.

4. The cost of maintenance fell from Rs. 126-10-9 to Rs. 126-1-10 for each boy. The cost of diet fell from Rs. 3,381-7-9 in 1886 to Rs. 3,156-4-9 in 1887.

5. The manufactory account shows a profit to the school of Rs. 8,521-15-6 against Rs. 9,180-12-11 in 1886. No allowance is made in the account for the value of the labour of the boys employed, or for wear and tear of block; it merely shows the balance of actual receipts over actual expenditure. Book-binding, carpentry, and tinsmith's work showed net profits of Rs. 4,693-13-0½, Rs. 1,470-2-7 and Rs. 1,451-12-8½ respectively. The profits on cane work decreased from Rs. 501-14-7 in 1886 to Rs. 313-5-10 in 1887, owing to the increased cost of raw cane and its inferior quality. The number of boys engaged was very small, as some of the old boys were released, and it is only boys of certain castes that can be put to this work.

6. The Lieutenant-Governor is glad to see that Mr. Kirschner's management of the school continues to deserve the praise of the Board of Management and of the Inspector-General of Jails. The acknowledgments of Sir Steuart Bayley are also due to the Board of Management.

7. The number of boys confined in the Hazaribagh School has risen from 227 at the close of 1886 to 232 at the close of 1887. The daily average population was 225 against 209.4 in 1886. The health of the school was good; only one boy died; he had been sickly for several years.

8. There was an improvement in discipline during the year. 124 boys were neither punished nor reported. There were only 570 punishments against 717 last year, showing that the severity of the punishments last year had the desired effect. Whipping and hand-caning were resorted to in 135 cases only against 325 in 1886. On the other hand, marks were forfeited in 310 cases against 123 in 1886. Penal diet was not resorted to. There was one serious case of assault, in which four boys and two of the trade instructors attacked the store-keeper. The trade instructors were dismissed but not prosecuted, as the Deputy Commissioner considered that there was not sufficient evidence to secure a conviction.

9. The daily routine is the same as at Alipore, except that the hours of rising differ slightly, and night school at Hazaribagh lasts from 6 to 8 P.M., while at Alipore it begins at 6.30 P.M. The Inspector-General of Jails was requested in paragraph 9 of last year's Resolution and in paragraph 11 of the Resolution for 1885, to notice specially the question of the assimilation of system at the two schools, but he has not done so. He will be again asked to report on this subject. No figures have been given to show the average attendance at the night school, though this was called for in last year's resolution. This omission should be remedied in the next report. The mark system worked well. The average earnings per week rose from Rs. 8-2-1 in 1886 to Rs. 9-15-1 in 1887. The total earnings came to Rs. 517-2-9.

10. Reports were received regarding 54 boys; 42 reports were favourable; in 8 cases the whereabouts of the boys were not known; 4 had been reconvicted and sent to jail. One boy was looked upon with suspicion by the police; only 6 boys continued to work at the trade they learnt in school.

11. The expenditure fell from Rs. 108-10-7 per head in 1886 to Rs. 77-9-5 in 1887. This decrease was mainly due to small outlay required for buildings, and to economies effected in dieting the boys by getting *atta* from the jail, purchasing animal food at a lower rate, and using a cheaper kind of rice.

12. The manufacture account shows a profit of Rs. 1,698-12-2 only against Rs. 2,314-4-2 in 1886. There is a very limited local market and the cost of carriage to Calcutta and elsewhere absorbs a great part of the profits. These expenses were so great on the work done for the Postal Department that the contract has been discontinued. The trades taught are carpentry, in which there is a profit of Rs. 1,445, ironwork, shoe-making and tinwork. Twenty-two of the younger boys were employed in the garden. It struck the Lieutenant-Governor when visiting the school last March that it might be possible to introduce the manufacture of objects for which a local demand exists, and so save the cost of carriage to Calcutta. The subject has since been considered by the Inspector-General of Jails and the Superintendent of Jail Manufactures, but without any result as yet. Dr. Lethbridge, however, has promised to look carefully into the matter when he visits the school next August.

13. The Lieutenant-Governor notices with pleasure that the school is regularly inspected by the official visitors, who have again very favourably reported on Mr. Hill, the Deputy Superintendent. Dr. Moorhead deserves credit for its excellent condition.

ORDER.—Ordered that a copy of the Resolution be forwarded to the President of the Board of Management of the Reformatory School at Alipore for information and communication to the Members of the Board.

Ordered also that a copy of the Reports, and a copy of the Resolution, be forwarded to the Inspector-General of Jails for information and communication to the Superintendent of the Hazaribagh Reformatory School.

Ordered also that the Resolution be published in the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

J. WARE EDGAR,

Chief Secretary to the Government of Bengal.

**REPORT ON THE WORKING OF THE LICENSED WAREHOUSE AND
FIRE-BRIGADE ACT IN THE SUBURBS OF CALCUTTA FOR THE
YEAR 1887-88.**

The 9th June 1888.—The following report is published for general information.

COLMAN MACAULAY,
Secy. to the Govt. of Bengal.

No. 28MM, dated Calcutta, the 30th May 1888.

From—A. SMITH, Esq., Commissioner of the Presidency Division,

To—The Secretary to the Government of Bengal, Municipal Department.

I HAVE the honour to submit herewith, under the provisions of section 30 of the Licensed Warehouse and Fire-Brigade Act, IV (B.C.) of 1883, the annual report, together with the usual statements, on the working of the Act during the year 1887-88.

2. Statement A shows the names of the different hydraulic presses, jute mills, cotton mills, hand screws and warehouses for storage of jute, licensed in the suburbs; B contains in the prescribed form the receipts and disbursements under the Act; and C the details of fires which occurred during the year.

3. The number of hydraulic presses, jute mills, cotton mills and hand screws remained the same as in the last year. That of warehouses for the storage of jute increased from 103 to 108, five such houses having been newly added to the list. The Asiatic Jute Mill, which was unoccupied during the previous year, was worked during the year of report, and one of the two hand screws remained unoccupied. Of the 108 jute warehouses in the list, 32 remained unoccupied, against 28 in the year preceding. The notes in the column of remarks of statement A will show these facts and other necessary particulars connected with the working of the warehouses.

4. The license-fees realized from all classes of warehouses during the year amounted to Rs. 33,975-12, viz., Rs. 21,624-13 from hydraulic presses, Rs. 1,088 from jute mills, Rs. 240 from cotton mills, Rs. 165 from hand screws, and Rs. 10,857-15 from jute warehouses, against a total sum of Rs. 33,912-13, viz., Rs. 21,624-13 from hydraulic presses, Rs. 968 from jute mills, Rs. 240 from cotton mills, Rs. 480 from hand screws, and Rs. 10,600 from jute warehouses, received during the year 1886-87. Thus there has been a net increase of Rs. 62-15 in the license-fees during the year of report, as compared with the result of the preceding year.

5. There were eleven fires during the year as per details in the statement C supplied by the Police, causing a loss to the extent of Rs. 10,250, against six fires and a loss of Rs 7,440 in the year preceding.

A.

List of Jute and Cotton Warehouses licensed in the Suburbs of Calcutta during the year 1887-88.

No.	Names of the owners or occupiers of the warehouses.	Locality of the warehouse.	Amount of license fee realized.	Total.	REMARKS.
<i>Hydraulic Presses.</i>			Rs. A. P.	Rs. A. P.	
1	Camperdown Pressing Company, Limited	4 & 5, Rustomjee's Lane, Cossipore.	2,000 0 0		
2	Messrs. S. C. Chunder & Co. (Proprietor Bengal Hydraulic Press).	4, Sugar Work's Lane, Cossipore.	1,920 0 0		
3	Hurrook Dass Dooli Chand (Agents, Messrs. Graham & Co.).	2, Chitpore Ghat Lane, Nowabpatty.	1,200 0 0		Now no agents.
4	Ashcroft Pressing Company, Limited (Owner, Kirty Chunder Mitter).	10, Nowabpatty Street, Chitpore.	1,500 0 0		Now owner, Mr. P. N. Mitter.
5	Messrs. Ernsthausen, Oesterley & Co. (Owner, Raj Kristo Dass).	5, Kally Prossono Singhee's Street, Chitpore.	2,280 0 0		Now Messrs. Voigt & Co.
	Messrs. Ralli Brothers	3, Sugar Work's Lane, Cossipore.	4,500 0 0		
7	Messrs. Kettlewell, Bullen & Co. (Owner, Russick Lall Seal).	42A, Cossipore Road	1,200 0 0		Number changed to 31A.
8	R. Quillette, Esq. (Agent and Secretary, Calcutta Hydraulic Press Company, Limited).	6, Kally Prossono Singhee's Street, Chitpore.	1,684 13 0		
	Messrs. George Henderson & Co. (Agents, Watson Patent Press Company, Limited).	1, Gailiff Street, Bag Bazar	900 0 0		
10	Messrs. N. J. Valetta & Co. (Agents, Chitpore Hydraulic Press Company, Limited).	2, Kally Prossono Singhee's Street, Chitpore.	2,040 0 0		
11	Messrs. Reinhold & Co. (Managing Agents, Calcutta Press Company, Limited).	2, Nowabpatty Road, Chitpore.	1,140 0 0		Messrs. McDowall, Methven & Co. are now Agents.
12	Raja Poorno Chunder Singh, Bahadoor (Proprietor Victoria Press).	7 & 100, Cossipore Road	1,200 0 0		Agents, Messrs. Voigt & Co.
<i>Jute Mills.</i>				21,624 13 0	
1	Messrs. Gladstone, Wyllie & Co. (Agents, Clive Jute Mills).	48, Garden Reach Road	240 0 0		
2	Messrs. Bird & Co. (Agents, Union Jute Company, Limited).	6, Goorieparrah Road, Sealdah.	200 0 0		
3	Messrs. Robinson, Morrison & Co. (Managing Agents, Asiatic Jute Company, Limited).	73, Narcoledangah Main Road.	120 0 0		Now Badredass Ramprasad Managers, Soora Jute Company, Limited.
4	Deputy Superintendent, Alipore Jail	5, Jail Lane	120 0 0		
5	Messrs. George Henderson & Co. (Agents, Baranagore Branch Mill).	135, Ballinghatta Road	120 0 0		
6	Messrs. Gillanders, Arbuthnot & Co.	9, Garden Reach Road	288 0 0		
<i>Cotton Mills.</i>				1,088 0 0	
1	Messrs. Mackinnon, Mackenzie & Co. (Agents, Garden Reach Cotton Mills Association).	22, Ditto ditto	120 0 0		
2	Messrs. Andrew, Yule & Co. (Agents, Bengal Mills Company, Limited).	47, Ditto ditto	120 0 0		
<i>Hand Screws.</i>				240 0 0	
1	Chunder Nath Shaha	1, Ram Gopal Ghose's Lane, Chitpore.	.....		Unoccupied.
2	Hurriah Chunder Bosu	14, Kally Prossono Singhee's Street, Chitpore.	165 0 0		Occupied by Messrs. Voigt & Co.
<i>Warehouses for storage of Jute.</i>				165 0 0	
1	Bidhu Bhoosun Mitter (Owner, Khelat Chunder Ghose).	4 & 6, Khelat Chunder Ghose's Lane.	50 0 0		
2	Hurriah Chunder Dutt (Owner, Nilmony Mitter).	13, Belgatchia Road	50 0 0		Now occupied by Joy-narain Duttal.
3	Agent, Eastern Bengal State Railway	1, Upper Circular Road	600 0 0		Number changed to 308.
4	Ditto ditto	8, Chitpore Cross Road	1,560 0 0		Changed to 8, Chitpore Street.
5	Nilmadhab Shikder	18, Ooltadangah Road	132 0 0		
6	Rashbehary and Jullodhur Roy (Owner, P. K. Mukerjee).	8 & 8A, Frankissen Mukerjee's Lane.	50 0 0		Now Porosh Nath Sen and Umesh Ch. Roy. There is no 6A.
7	Gyan Chunder Sen	15, Ditto ditto	50 0 0		
8	Hurriah Chunder Dutt	19 & 20, Gouribere Lane	.....		Unoccupied.
9	Ditto ditto	37-4, Canal West Road	90 0 0		No. 37-6 and not 37-4.
10	Ditto ditto	39-3, Ditto ditto	72 0 0		Now occupied by Soorjee Coomer and Guru Charau Shaha. Only 13 occupied by Kanye Ch. Dass.
11	Gopal Chunder Sikder and Mohesh Chunder Kundu (Owner, P. K. Mukerjee).	13 & 12A, Talla Road	50 0 0		Unoccupied.
12	Shama Churn Bullove (Owner, Shama Churn Lahiri).	5, Belgatchia Road	60 0 0		
13	Mohesh Chunder Kundu	3, Kally Coomar Banerjee's Lane.	.....	
14	Messrs. W. B. Macavish & Co.	Compartment 3 of building No. 3A, Ballinghatta Road.	.....		Ditto.
15	Behary Lall Pyne (Owner, Maguljan Ostagar).	25, Mooraripookur Road	50 0 0		
16	Prothad Chunder and Narrottam Shikder	83, Barrackpore Trunk Road.	.....		Ditto.
17	Narottam Shikder	19, Gouribere Lane	78 0 0		
18	Bany Madhub Shikder	25-1, Canal West Road	50 0 0		Now Lohit Mohun and Brindabun Shaw
19	Gopee Mohun Roy	1-1, Badredass Temple Street.	96 0 0		
20	Ditto ditto	29, Canal West Road	131 0 0		
21	Mohun Ranshi Roy	36-1, Ditto ditto	120 0 0		Now Gopee Mohun Roy.
22	Nait Mohun and Brindabun Chunder Shaw.	24-2, Ditto ditto	72 0 0		
23	Ditto ditto	24-3, Ditto ditto	.....		Nos. 24-2 and 24-3 amalgamated.
24	Jaganath Bajpe	13, Cossipore Road	.....		Unoccupied.
25	Kirty Chunder Mitter	4, Frankissen Mukerjee's Lane.	72 0 0		Now Sorup Ch. Seraji and others.
26	Ditto ditto	3, Chitpore Street	350 0 0		
27	Sham Churn Guha	7 & 8, Chitpore Ghat Lane.	233 8 0		Now Messrs. Duncan Brothers.

No.	Names of the owners or occupiers of the warehouses.	Locality of the warehouse.	Amount of license fee realized.	Total.	REMARKS.
<i>Warehouses for the storage of jute—contd.</i>			Rs. A. P.	Rs. A. P.	
28	Tara Charan Guho	5, Frankissen Mukerjee's Lane.	50 0 0		Now Dwarka Nath Roy.
29	Dip Chand and Herra Chand Kundu ...	85-5, Canal West Road ...	120 0 0		
30	Bejoy Chunder Dutt	41-1, Ditto ditto ...	90 0 0		41, Canal East Road, and not 41-1, Canal West Road.
31	Tara Prosono Ray	35-4, Ditto ditto ...	98 0 0		Unoccupied.
32	Sonaton Dey	6, Gouribare Lane ...	50 0 0		Ditto.
33	Kristo Monari Shaw	39-3-1, Canal West Road.			
34	Soorjee Coomar and Guru Charan Shaw	45, Ditto ditto ...			
35	Mohima Chunder Kundu and Koylash Chunder Kundu.	52, Ditto ditto ...	72 0 0		
36	Mohima Chunder Kundu	31, Ditto ditto ...	84 0 0		
37	Goburdhone Shaw	45, Ditto ditto ...	120 0 0		Canal East Road and not Canal West Road. Now Hurish Chunder Dutt.
38	Kally Charan Podder (Owner, H. C. Dutt)	20, Badredass Temple Street.	50 0 0		Due to decrease of valuation.
39	Radha Kristo Guho	1, Chitpore Street ...	54 0 0		Unoccupied.
40	- Ditto	7, Frankissen Mukerjee's Lane.			
41	Tara Charan Guho	7, Ditto ditto ...	258 0 0		Now Ramkisto Patak, Surup Seragi, &c.
42	Bonomally Kundu	2, Bonomally Chatterjee's Street.	50 0 0		
43	Dwarka Nath and Bonomali Kundu ...	20, Chitpore Ghat Lane ...	210 0 0		No. 25, and not 20.
44	Prollad Chunder and Dinambur Shaw ...	21, Ditto ditto ...	150 0 0		No. 5, and not 4.
45	Ditto ditto	4, Ditto ditto ...	60 0 0		Now Nabo Kissors and Akkiny Roy.
46	Kally Sunker and Tarruck Nath Kundu	6, Tallah Road ...	66 0 0		Unoccupied.
47	Ditto ditto	22, Ditto ...			Due to decrease of valuation.
48	Rajendra Lal Shaw and four others ...	3 & 4, Chitpore Ghat Road	158 0 0		Now Huro Nath Biswas and others.
49	Nuffur Chunder Ta	3 & 4, Ditto ditto ...			Unoccupied.
50	Madhub Chunder Dutt	7, Nowabpatty Street ...	50 0 0		
51	Dwarka Nath Bhunja	8, Olai Chunditollah Road	50 0 0		
52	Chunder Nath Dalal	51, Belgatchia Road ...			Ditto.
53	Ditto ditto	9, Ditto ...			Ditto.
54	Wotsub Narain Chowdhry	10, Setpukur Road ...	100 0 0		Now Kanyo Chunder Dass.
55	Dwarka Nath Roy	6, Tallah Road ...	60 0 0		
56	Ditto ditto	14, Frankissen Mukerjee's Lane.	48 0 0		
57	Messrs. W. B. Macavish & Co.	10, Belgatchia Road ...	78 0 0		Now occupied by Chunder Dalal.
58	Koylash Chunder Banerjee (Owner, Nil-mony Mitter).	13, Ditto ditto ...			Unoccupied.
59	Hurish Chunder Dutt	10, Chitpore Ghat Lane ...			Ditto.
60	Messrs. Ernsthansen, Oosterley & Co., Agents, Strand Bank Press Co. (Owner, Kally Dass Seal).	3, Kally Prosono Singhee's Street, Chitpore.	420 0 0		Now Mr. R. Quillette.
61	Ditto ditto ditto	3A, Ditto ditto ...	300 0 0		
62	Roma Nath Dass	1, Chitpore Bridge approach.	180 0 0		Now Messrs. Voigt & Co.
63	Cally Nath Poddar	2, Badredass Temple Street			Now Messrs. George Henderson & Co.
64	Surup Chunder Seragi (Owner, Tarrak Chand Poddar).	13, Frankissen Mukerjee's Lane.	50 0 0		Unoccupied.
65	Brojodoyal Shaw (Owner, G. C. Roy) ...	7, Setpukur Road ...	50 0 0		Now Parash Nath Sen & Co.
66	Hurish Chunder Bosu	12, Kally Prosono Singhee's Street.	60 0 0		Now Gobind Ch. Ghose; due to decrease of valuation.
67	Nalit Mohun and Brindaban Shaw (Owner, K. K. Poddar).	5-1, Chawpatty Road ...			Unoccupied.
68	Brindaban Chunder Roy (Owner, Russick Lal Shahu).	8, Frankissen Mukerjee's Lane	324 0 0		Now Secretary, Port Commissioners.
69	Ditto ditto (B. K. Chatterjee) ...	2, Ditto ditto ...	78 0 0		Now Nobokissors and Akkiny Roy.
70	Mr. T. Augier	14, Kally Prosono Singhee's Street.			Unoccupied.
71	Koylash Chunder Mondole	7, Chitpore Bridge Road...			Ditto.
72	Pro Nath Mitter	1, Lockgate Road ...	300 0 0		Ditto.
73	Messrs. Chew and Pal (Owner, Giribala Dassee).	10, Nowabpatty Street ...			
74	Narattom Sikder	60, Gouribare Road ...	102 0 0		
75	Kamala Ganto Chuckerin ty (Owner, E. S. Kundu).	10, Nowabpatty Street ...			Ditto.
76	Shama Charan Bullore (Owner, S. C. Lahiri).	5, Belgatchia Road ...			Ditto.
77	Nilmadhab Sickder	16 & 17, Gailiff Street ...			Ditto.
78	Hurish Chunder and Benode Behary Dutt.	39-3-1, Canal West Road ...	120 0 0		
79	Messrs. Chew and Pal (Owner, Indro Narain Biswas).	2, Shaikpara Road ..	50 0 0		Now Indro Narain Biswas.
80	Sidam Chunder and Issur Chunder Kundu.	55, Barrackpore Trunk Road.			Unoccupied.
81	Issur Chunder Bannerjee	35A, Ditto ditto ...			Ditto.
82	R. L. Mitter and S. C. Bosu (Owner, B. L. Dass).	38, Belgatchia Road ...	50 0 0		
	Messrs. Finlay, Muir & Co. (Owner, A. C. Chatterjee).	15, Tallah Road ...			Ditto.
84	Agent, Eastern Bengal State Railway ...	6, Chitpore Street ...	420 0 0		
85	R. Quillette, Esq. (Owner, Callydass Seal)	3A, Kally Prosono Singhee's Street.			Unoccupied.
86	Messrs. Ernsthansen, Oosterley & Co. (Owner, Rajkristo Roy).	5A, Ditto ditto ...	300 0 0		Now Messrs. Voigt & Co.
87	Kally Sunker and Tarruk Nath Kundu...	39-4-1, Canal West Road ...	60 0 0		
88	Dwarka Nath Roy (Owner, N. L. Mullick)	5, Tallah Road ...	64 12 0		Now Gobind Ch. Ghose.
89	Sreedhur and Gopal Mullick	5, Frankissen Mukerjee's Lane.	60 0 0		Unoccupied.
90	Callydass Roy	8, Ditto ditto ...			
91	Sunkor Prosad Bachasputty	4, Chitpore Street ...	50 0 0		Now Gobind Ch. Paul.
92	Bharat Chunder Shaw and Jeobunkisto Ghose.	15A, Belgatchia Road ...	50 0 0		
93	Sunkor Prosad Bachasputty	14, Nowabpatty Street ...	50 0 0		
94	Khetter Mohun Bose	16, Pykeparrah Road ...	50 0 0		Now Tarrak Nath Bannerjee.
15	Nobin Chunder Roy (Owner, Noyan Ch. Chatterjee.)	48A, Belgatchia Road ...	50 0 0		Now Tarrak Nath Bannerjee.

SUPPLEMENT TO THE CALCUTTA GAZETTE, JUNE 13, 1888. 1261

No.	Names of the owners or occupiers of the warehouses.	Locality of the warehouse.	Amount of license fee realized.	Total.	REMARKS.
<i>Warehouses for the storage of jute—concluded.</i>			Rs. A. P.	Rs. A. P.	
98	Bidhu Nath Mondole and others ...	43, Belkatchia Road ...	.....		Unoccupied.
97	Sidam Chunder Kundu ...	5A, Kally Coomar Banerjee's Lane.	50 0 0		
99	Umesh Chunder Roy and Poreah Nath Sein.	2, Chitpore Street ...	.....		Ditto.
99*	Saroop Chunder Seraji ...	4, Prankissen Mukerjee's Lane.	.....		Ditto.
100	Kissory Lall Mukerjee ...	1, Chitpore Cross Road ...	.....		Ditto.
101	Protap Chunder Ta ...	16, Nowabpatty Street ...	.....		Ditto.
102	Prankissen Mukerjee ...	4, Setpinker Road ...	.....		Ditto.
103	K. Quilletto, Esq. ...	6-1, Kally Prossono Singhee's Street.	960 0 0		
104	Soorjee Comar and Gourie Churn Shaw (Owner, Indro Narain Biswas).	40A, Canal East Road ...	50 0 0		New.
105	Mudan Mohun Dey, Dullal ...	43, Ditto ditto ...	50 0 0		Do.
106	Preo Nath Mitter ...	9, Prankissen Mukerjee's Lane.	69 9 0		Do.
107	Indro Narain Biswas ...	48B, Belkatchia Road ...	50 0 0		Do.
108	Bhoobun Mohun Ghose (Owner, Indro Narain Biswas).	80B, Ditto ditto ...	50 0 0		Do.
			.....	33,975 12 0	

B.

Dr. *Account of fees realized by issue of Jute Licenses in the Suburbs of Calcutta.* **Cr.**

	Rs. A. P.		Rs. A. P.
By amount of jute license fees for 1887-88 received during the year ...	33,975 12 0	To amount of executive charges of this Municipality, at 20 per cent.	6,795 2 5
Total ...	33,975 12 0	To amount paid to the Calcutta Police for Fire-Brigade Fund, at 80 per cent.	27,180 9 7
		Total ...	33,975 12 0

C.

Extract from the Register of Fires and operation of the Calcutta Fire Brigade.

Date.	Locality of fire, with section letter.	Time of out-break.	Time of alarm at fire-station.	Time of arrival of brigade.	Property destroyed, with approximate value, and whether insured or not.	Cause of fire.	REMARKS.
1887.							
1st October ...	Canal, M, Suburbs, Watgunge.	8-30 P.M.	8-45 P.M.	9-15 P.M.	A boat laden with straw, value Rs. 400; not insured.	Unknown ...	All out at 12 P.M.
2nd December ...	Baniapooker, G, Suburbs.	12-15 mid-night.	12-30 mid-night.	12-45 mid-night.	Three koleyputta huts and one cow, value Rs. 100; not insured.	Fire originated in a cow-shed, where fire was kept to make the shed warm.	Extinguished by the local police and the neighbours.
1888.							
7th January ...	Entally, F, Suburbs.	1 A.M.	1-10 A.M.	1-30 A.M.	Four tiled huts, value Rs. 150.	Unknown ...	All out at 2-30 A.M.
9th ditto ...	Watgunge, M, Suburbs.	1-45 A.M.	1-50 A.M.	2-15 A.M.	Three stacks of straw and three huts, value Rs. 1,600.	Ditto ...	All out at 7 A.M.
7th February ...	Baniapooker, G, Suburbs.	2-30 A.M.	2-40 A.M.	3-10 A.M.	Six tiled houses, value Rs. 400; not insured.	Ditto ...	All out at 4-30 A.M.
3th ditto ...	Watgunge, M, Suburbs.	1 A.M.	1-10 A.M.	1-30 A.M.	Six stacks of straw, value Rs. 7,300; not insured.	Ditto ...	All out at 4 P.M.
Ditto ...	Panbagan, F, Suburbs.	2-15 A.M.	2-30 A.M.	3 A.M.	Sixteen thatched houses, value Rs. 1,000; not insured.	By a kerosine lamp upsetting in the stable of Jodu Nath Taloo.	All out at 4-30 A.M.
4th ditto ...	Watgunge, M, Suburbs.	12 P.M.	12-5 A.M.	12-30 A.M.	Two tiled huts and 12 stacks of straw, value Rs. 1,300; not insured.	Unknown ...	All out at 9 A.M. of the 15th instant.
2th March ...	Bellinaghatta, E, Suburbs.	9-40 P.M.	9-45 P.M.	10 P.M.	Twenty-two huts, value Rs. 600; not insured.	Fire from a choola ignited the out wall of a hut.	All out at 12 midnight.
Ditto ...	Baniapooker, G, Suburbs.	11-45 P.M.	11-50 P.M.	12-15 mid-night.	Thirty tiled huts, value Rs. 1,500.	Flame of a kerosine lamp ignited the out wall of the house of Bhoobun Telli.	All out at 3 A.M.
8th ditto ...	Chitpore, A, Suburbs.	9-45 A.M.	9-50 A.M.	10-30 A.M.	A line of brick godowns containing waste jute, paper, and cuttings, damage Rs. 2,000; not insured.	Fire from a choola ignited a pile of jute outside the godown.	All out at 1 P.M.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government during the week ending the 9th June 1888.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
<i>Western Districts.</i>			
Burdwan Divn.	1 Burdwan June 9, '88	1.82	Weather—bright, moist, and hot, with storms every evening. Prospects of crops good. Local showers have given sufficient rain for the present. Common rice stands at 22 seers per rupee.
	Culna ...	2.26	
	Culwa ...	1.20	
	Raneegunge ...	0.90	
	2 Bankoora „ 9, '88	2.72	
Burdwan Divn.	3 Birbhum „ 9, '88	1.20	Weather—seasonable. Cotton-pods are opening. <i>Khasta til</i> is being reaped. Sugarcane and indigo are coming on well. Sowing of <i>dhan</i> is proceeding. Prices continue unaltered.
	Rampur Haut „	2.19	
	4 Midnapur „ 9, '88	1.15	
	5 Hugli „ 9, '88	8.97	
	Serampur „	2.98	
Burdwan Divn.	Jehanabad „	2.98	Weather—hot and cloudy with occasional rain. <i>Til</i> is being reaped. Sugarcane planting almost completed. Ploughing going on.
	Howrah „ 11, '88	1.58	
	Oolcoberia „	0.97	
	6 24-Perghs. June 12, '88	2.21	
	7 Nuddea „ 9, '88	3.13	
Presidency Divn.	Kooshten „	0.52	Weather—close and sultry; wind variable. Prospects of jute, <i>aus</i> and sugarcane satisfactory. Sowing continues.
	Meherpur „	2.62	
	Choodanga „	1.65	
	Ranaghat „	3.08	
	8 Khoorna „ 9, '88	1.57	
Presidency Divn.	9 Jessore „ 9, '88	3.45	Weather—very hot in spite of several showers. Prospects of the standing crops have been bettered by the rain of the week. Harvesting of <i>boro</i> rice nearly completed. Cutting of <i>til</i> commenced.
	Jhenidah „	2.04	
	Magoora „	1.62	
	Narail „	0.74	
	Bongong „	1.45	
Presidency Divn.	10 Moorshedabad „ 9, '88	1.54	Weather—hot; one or two thunder-showers. Cultivation of <i>amun</i> in progress. <i>Aus</i> sown looks well. <i>Til</i> promising.
	Lalbagh „	1.72	
	Kandi „	3.27	
	11 Dinagepur June 9, '88	1.85	
	Thakurgaon „	2.61	
Rajshahye Divn.	12 Rajshahye „ 9, '88	0.09	Weather—hot and cloudy. Sowing of <i>aus</i> and <i>amun</i> completed. Condition of <i>til</i> , jute, and sugarcane good.
	Natore „	0.46	
	Nowgong „	0.77	
	13 Rungpur „ 9, '88	3.13	
	Nilphamari „	1.87	
Rajshahye Divn.	Kurigram „	1.01	Weather—hot. <i>Amun</i> is being transplanted. Prospects of crops continue good.
	Gaibandha „	1.46	
	14 Bogra „ 9, '88	1.48	
	Sherpur „	0.53	
	Nowkhilla „	2.82	
Rajshahye Divn.	15 Pubna „ 9, '88	2.03	Weather—cloudy and latterly rainy. Prospects of crops good. <i>Boro dhan</i> is still being reaped.
	Serajgunge „	2.37	
	16 Darjeeling „ 9, '88	1.33	
	17 Julpigoree „ 9, '88	8.26	
	Weather—cloudy with a good deal of rain. Transplantation of rice going on. Prospects of other crops good.		
Rajshahye Divn.	18 Dacca June 9, '88	8.26	Weather—hot and cloudy with occasional rain. Jute and sugarcane said to be good. <i>Bhadoi</i> paddy and Indian-corn doing well. Common rice sells at 20 seers per rupee.
	Manickgunge „	0.55	
	Munsbigunge „	0.81	
	Naraingunge „	2.87	
	19 Furreedpur „ 9, '88	1.66	
Rajshahye Divn.	20 Goalundo „	1.55	Weather—hot and showery. State of all crops good.
	Madaripur „	2.38	
	21 Backergunge „ 8, '88	0.91	
	Myrsonkigh „ 8, '88	1.87	
	Jamalpur „	2.21	
Cooch Division.	Kishorgunge „	4.91	Weather—hot. Prospects of crops good.
	Attia „	1.07	
	Netrokona „	1.58	
	22 Dacca June 9, '88	Rainfall return not yet received.	
	Manickgunge „	0.55	
	Munsbigunge „	0.81	
	Naraingunge „	2.87	
	19 Furreedpur „ 9, '88	1.66	
	Goalundo „	1.55	
	Madaripur „	2.38	
	20 Backergunge „ 8, '88	0.91	
	Myrsonkigh „ 8, '88	1.87	
	Jamalpur „	2.21	
	Kishorgunge „	4.91	
	Attia „	1.07	
	Netrokona „	1.58	

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—concluded.			
<i>Eastern Districts—concl'd.</i>			
CHITTAGONG DIV.	22 Chittagong June 12, '88	2.06	Weather—seasonable. Cultivation progressing. Prices stationary.
	23 Noakholly „ 8, '88	2.97	Weather—warm with occasional rain. Sowing of <i>aus</i> completed. Lands for <i>aman</i> being prepared. Prospects generally good.
	Fenny „ „	3.47	
	24 Tipperah „ 7, '88	1.41	The rains seem to have set in rather early this year. Crops are coming on well except in the north of the district, where damage is reported to both jute and paddy from excessive rain.
	Brahmanbariah „ „	5.75	
25 Chittagong Hill Tracts „ 5, '88	Chandpur „ „	3.30	Weather—cloudy with occasional rain. Excessively hot throughout the week. Sowing still continues in some places.
	Hill Tipperah „ 6, '88	0.77	
	„ „	2.80	Weather—hot. Preparation of lands for late rice has commenced. Early rice doing well. <i>Jum</i> cultivation continues.
BEHAR.			
PATNA DIV.	26 Patna June 9, '88	0.75	Weather—hot. <i>Bhadai</i> crops begun to be sown. <i>Cheena</i> at places is coming up and looks well. Sugarcane doing well.
	Barh „ „	0.80	
	Behar „ „	0.48	
	27 Gya „ 9, '88	Nil	Weather—cloudy. Sugarcane being irrigated. Sowings of paddy commenced.
	28 Shahabad „ 9, '88	0.25	
	Buxar „ „	1.45	Weather—hot and close almost the whole week, latterly cloudy with strong easterly winds. Slight rain has fallen and done some good to standing crops— <i>cheena</i> and sugarcane. In places lands are being prepared for <i>bhadai</i> sowings.
	Sasaram „ „	Nil	
	Bhabua „ „	0.22	Weather—occasionally cloudy. Prospects of early rice, indigo and sugarcane continue very favourable. <i>Moong</i> is being collected. <i>Bhadai</i> sowings in progress. Price of common rice averages 18½ seers per rupee.
	29 Durbhanga „ 9, '88	0.40	
	30 Mozufferpur „ 9, '88	1.23	Several storms from north-west. Rain has been beneficial throughout the district. Prospects of standing crops excellent. <i>Bhadai</i> sowings going on.
	Hajepur „ „	0.40	
BIHAR DIV.	31 Saran „ 9, '88	2.56	Weather—seasonable. Sugarcane and indigo doing well. <i>Makai</i> sowings and <i>marua</i> transplantation commenced. Fields under preparation for <i>aghani</i> .
	Sewan „ „	0.34	
	32 Gopalgungo „ „	0.81	Weather—very hot; occasionally cloudy and rainy. Sowings of <i>bhadai</i> and <i>aghani</i> in full swing. Indigo plants attaining maturity. Prospects excellent.
	Chumpana „ 9, '88	1.43	
	33 Monghyr „ 9, '88	Rainfall figures not furnished	Weather—hot and cloudy with occasional slight showers. <i>Bhadai</i> sowings going on vigorously. <i>Cheena</i> growing very well. Prospects generally good.
	Begusrai „ „	0.62	
	Jamui „ „	0.70	Weather—seasonable, but rain still deficient in south. All crops forward except indigo. Sowing and ploughing continue.
	34 Bhagalpur „ 9, '88	0.81	
	35 Purneah „ 9, '88	2.11	Weather—showery; very favourable for all crops.
	Kishengunge „ „	0.68	
ORISSA.	36 Maldah „ 9, '88	2.13	Weather—warm. Heavy showers and occasional high east winds. Harvesting of <i>boro</i> paddy almost over. <i>Bhadai</i> crops doing well. Sowing of winter paddy going on. Common rice selling at an average of 22½ seers per rupee.
	Chanchal „ „	6.10	
	Shibgunge „ „	0.50	Weather—hot and stormy with local rain. Ploughing goes on; also a little sowing of <i>dhan</i> and Indian-corn. Sugarcane doing well. Rain wanted in Deoghur, and in Rajmahal for indigo.
	Gajole „ „	1.91	
	37 Sonthal Pergas „ 9, '88	0.28	Weather—unsettled; rain last night (7th). Rain wanted all over the district for agricultural operations. First sowings of paddy doing well; also sugarcane.
	Deoghur „ „	1.20	
	Jamtara „ „	1.35	Weather—generally hot and close with slight showers. More rain wanted. Ploughing and sowing going on. Prices as before.
	Pakour „ „	0.05	
	Rajmahal „ „	0.47	Weather—cool and pleasant. Rain during the week and daily storms. Rice and Indian-corn being sown. Sugarcane doing well.
	„ „	2.12	
CHOTA NAGPORE.	38 Cuttack June 8, '88	0.79	Weather—comparatively cool, with clouds and rain. Sugarcane growing. Recent rain has done much good. Scarcity of drinking-water is felt in the north and centre of the district.
	Pooree „ 7, „	0.14	
	39 Khoorda „ „	1.47	Weather—unsettled; rain last night (7th). Rain wanted all over the district for agricultural operations. First sowings of paddy doing well; also sugarcane.
	40 Balasore „ 8, '88	0.72	
	41 Hazaribagh June 8, '88	0.20	Weather—generally hot and close with slight showers. More rain wanted. Ploughing and sowing going on. Prices as before.
CHOTA NAGPORE DIV.	42 Lohardugga „ 9, '88	0.04	
	Palamow „ „	0.18	Weather—cool and pleasant. Rain during the week and daily storms. Rice and Indian-corn being sown. Sugarcane doing well.
	43 Singhbhum „ 8, '88	0.44	
	44 Manbhum „ 9, '88	1.59	Weather—unsettled; rain last night (7th). Rain wanted all over the district for agricultural operations. First sowings of paddy doing well; also sugarcane.
	Goviadpore „ „	0.05	

Published for general information.

CALCUTTA, REVENUE DEPT.;
12th June 1888.P. NOJAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM (Sorghum Vulgare.)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
BENGAL.																
Western Districts.																
1	Burdwan	16 0	14 8	14 0	No sale.		40 0	18 0	18 0	19 8	23 4	22 8	24 0	...	...	...
2	Bankoora	15 0	16 0	15 12	20 0	20 0	20 0	19 0	19 0	19 0	20 4	21 3	24 12	...	...	...
3	Beerbhoom	15 12	16 0	18 12	...	...	...	16 8	15 8	18 0	21 12	21 12	24 0	...	...	...
4	Midnapore	16 0	17 0	17 8	40 0	41 0	...	18 8	18 8	20 0	25 0	26 0	26 0	...	...	...
5	Hooghly	14 0	14 0	15 0	...	...	...	10 0	10 0	10 0	18 0	18 0	18 0	...	...	...
	Howrah	Not available.			...	...	...	14 0	14 4	18 4	18 12	19 0	21 0	...	...	...
Central Districts.																
	Calcutta	13 10	14 4	15 0	23 0	24 6	20 15	11 13	11 11	9 6	17 4	18 7	19 2	19 12	18 5	21 0
6	24-Pergunnabs	16 0	16 0	14 0	22 8	22 0	26 8	8 0	8 0	8 0	19 0	18 8	18 4	...	...	...
7	Nuddea	16 6	16 6	16 0	26 10	26 10	32 0	14 8	14 8	16 0	17 6	18 5	20 8	...	...	...
8	Khoolna	...	...	...	...	...	...	19 0	20 0	18 0	21 0	21 0	23 0	...	...	...
9	Jessore	16 0	16 0	16 0	...	...	...	16 0	16 0	17 0	22 0	22 0	22 0	...	...	...
10	Moorshedabad	16 0	16 0	16 0	...	...	...	16 0	17 8	16 0	20 0	23 0	21 0	...	...	...
11	Dinapore	16 0	16 0	13 12	...	...	32 0	21 0	20 0	20 0	23 4	22 5	23 0	...	...	...
12	Rajshahye	18 0	19 8	18 0	45 0	46 0	45 0	18 0	18 0	18 0	21 0	21 0	19 8	...	...	...
13	Rungpore	17 8	17 8	20 8	...	...	...	13 4	13 4	22 8	20 0	20 0	21 10	...	...	...
14	Bogra	15 0	17 4	16 8	...	...	...	15 12	15 12	13 8	26 4	26 4	24 0	...	...	...
15	Pubna	18 12	19 8	20 0	...	...	...	8 4	8 4	8 0	22 8	22 8	21 0	...	...	...
16	Darjeeling	10 0	10 0	9 0	10 0	11 0	10 0	5 0	5 0	5 0	14 0	14 0	14 0	...	...	...
17	Julpigoree	13 0	13 0	11 0	20 0	20 0	20 0	13 0	13 0	13 0	20 0	21 0	22 0	...	...	...
Eastern Districts.																
18	Dacca	19 0	19 0	14 0	33 0	38 0	22 0	18 0	18 0	17 0	21 0	21 0	19 0	...	...	...
19	Furroedpore	24 0	24 0	26 0	40 0	46 0	22 0	15 0	15 0	18 0	24 0	23 0	20 0	...	...	...
20	Fackergunge	...	...	...	...	...	...	15 8	15 8	17 0	20 0	21 0	21 0	...	...	...
21	Mymensingh	12 0	12 0	11 0	...	...	...	14 0	13 0	12 0	20 0	19 0	16 4	...	...	...

A In Cuttack, Cutwa, and Kameegunge sub-divisions retail prices of salt 10½ seers per rupee.

B At Bishnupore retail price of salt 11 seers per rupee.

C At Ramdihra retail price of salt 11½ seers per rupee.

D In sub-divisions retail prices of salt per rupee were:—Tumlook 8 seers, Ghatal 11 seers, and Contai 9 seers.

E In sub-divisions retail prices of salt per rupee were:—Serampore 9 seers and Jahanabad 10½ seers.

F In sub-divisions retail prices of salt per rupee were:—Barrackpore 6½ seers, and Dum-Dum 10 seers.

G In sub-divisions retail prices of salt per rupee were:—Koochta and Ranaghat 10 seers, and Meherpore and Choudanga 10½ seers.

H In sub-divisions retail prices of salt per rupee were:—Saktihira 9 seers 2½ chittacks, and Baghat 8 seers.

SEERS OF 80 TOLAHS.

[illegible]

KANQI OR KAKUN ITALIAN MILLET. (<i>Setaria italica</i> .)			GRAM, CHANA, CHHOLA, KADALA, OR SUNAGA. (<i>Cicer arietinum</i> .)		
Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present returns	Next preceding re- turn.	Corresponding re- turn of last year.

S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.
						23	0	23	0	25	0
						20	0	19	0	19	0
						22	8	25	0	26	0
						18	0	17	0	21	0
						19	0	19	0	20	0
						20	0	21	8	25	0

15	14	3	8	16	4	20	15	22	0	19	0
13	0	13	0	20	0	23	8	22	8	22	0
						28	10	26	10	29	0
						20	0	15	0	16	0
						26	8	26	4	26	0
						24	12	27	0	30	0
						16	4	16	4	18	0
						26	4	24	0	22	0
						16	0	20	0	20	0
						16	8	17	4	17	0
						26	4	30	0	30	0
						10	0	10	0	10	0
						20	0	20	0	20	0
						17	8	17	8	17	0
						16	0	16	0	16	0
						21	10	22	0	22	0
						20	0	16	0	16	0

Head-quarter Station Bazars of the Districts of Bengal on the 31st May 1888.

															WHOLESALE PRICES PER MAUND OF 40 SEERS.						DISTRICTS.
INDIAN-CORN OR MAIZE (Zea Mays.)			ARHAR OR THUR CADJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.									
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.							
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.							
No sale.			23 0	23 0	25 8	120 0	120 0	120 0	A 10 7½	10 7½	13 5½	3 10 0	3 10 9	2 14 0	Burdwan.						
27 0	32 8	36 0	21 8	20 8	21 0	320 0	320 0	280 0	B 10 4	10 8	12 8	3 13 6	3 11 0	3 3 0	Bankoora.						
...	15 4	16 8	15 0	160 0	160 0	160 0	C 10 0	10 0	12 12	3 10 0	3 10 0	3 0 0	Beerbhoom.						
...	14 8	15 0	13 8	120 0	120 0	155 0	D 10 6	9 0	12 0	3 14 0	4 2 0	3 5 0	Midnapore.						
...	13 0	13 0	13 0	120 0	120 0	120 0	E 9 0	9 0	13 8	4 6 0	4 6 0	2 14 0	Hoochly.						
...	14 0	14 4	13 8	100 0	100 0	100 0	9 0	9 0	12 0	3 12 0	3 12 0	3 0 0	Howrah.						
Central Districts.																					
20 0	17 13	23 0	17 14	18 4	18 0	99 6	95 0	80 0	10 8	10 10	13 0	3 8 7	3 7 10	3 0 0	Calcutta.						
...	...	22 8	19 0	20 0	20 0	110 0	110 0	100 0	F 10 8	10 8	13 0	3 8 0	3 8 6	2 15 0	24-Pergunnahs.						
...	20 0	20 0	20 0	...	...	...	G 9 2	9 2	11 10½	4 0 0	4 0 0	3 0 0	Nuddea.			
...	120 0	160 0	160 0	H 8 0	8 0	10 8	4 8 0	4 8 0	3 12 0	Khoolna.						
...	21 0	20 0	24 8	100 0	100 0	120 0	I 9 0	8 0	10 12	3 11 0	4 4 0	3 2 0	Jessore.						
...	23 0	23 0	21 0	200 0	200 0	210 0	J 11 8	11 12	12 0	3 8 0	3 6 0	3 5 0	Moorshedabad.						
...	10 8	10 8	9 4	160 0	160 0	160 0	K 9 8	9 8	12 4	4 0 0	4 0 0	3 3 0	Dinagapore.						
...	16 4	17 0	16 8	240 0	240 0	240 0	L 9 0	9 12	10 8	4 0 0	3 13 4	3 5 3	Rajshahye.						
...	10 0	11 8	8 10	120 0	120 0	120 0	M 10 12	9 12	10 6	3 7 0	3 15 3	3 8 0	Rangpore.						
...	90 0	90 0	90 0	7 10½	7 11	10 8	6 0 0	4 5 4	3 8 0	Bogra.						
...	28 4	25 0	22 8	200 0	200 0	200 0	N 10 0	9 12	13 0	.....	4 1 6	3 5 0	Pubna.					
30 0	20 0	28 0	8 0	8 0	8 0	120 0	120 0	120 0	8 0	8 0	9 0	.....	.....	4 6 0	Darjeeling.				
20 0	20 0	20 0	12 0	12 0	12 0	128 0	128 0	128 0	O 9 0	9 0	11 0	.....	.....	3 5 0	Julpigoree.				
Eastern Districts.																					
...	17 0	17 0	16 0	120 0	120 0	120 0	P 8 8	8 8	13 0	4 4 0	4 4 0	3 3 0	Dacca.						
...	20 0	120 0	120 0	120 0	9 0	9 0	12 0	4 5 0	4 5 0	3 1 0	Furroadpore.						
...	11 0	11 0	15 0	120 0	120 0	120 0	Q 10 0	9 13	13 0	3 12 0	3 10 0	3 0 0	Backergunge.						
...	11 8	12 8	16 0	...	...	...	R 8 8	9 0	13 0	4 8 0	4 8 0	3 5 0	Mymonsingh.			

J. In Kandi sub-division retail price of salt 11 seers per rupee.

K. At Thakurgaon retail price of salt 8 seers per rupee.

L. In sub-divisions retail prices of salt per rupee were:—Natore 8½ seers and Nowgong 9½ seers.

M. In sub-divisions retail prices of salt per rupee were:—Kurigram 8 seers, Nilphamari 10 seers, and Gaibandha 7½ seers.

N. At Seraijunga retail price of salt 10 seers per rupee.

O. At Faikusta in Alipore sub-division retail price of salt 8 seers per rupee.

P. In sub-divisions retail prices of salt per rupee were:—Manickgunge 8 seers, Munshigunge 8½ seers, and Narasingungo 10 seers.

Q. In sub-divisions retail prices of salt per rupee were:—Patuakhali 8 seers, Peronopore 9 seers, and Bhola 10½ seers.

R. In sub-divisions retail prices of salt per rupee were:—Kishoregunge, Jamalpore, and Sherpore 8 seers, Attes 10 seers, and Narail 10 seers.

PRICES CURRENT (retail) of Food-grains, Firewood and Salt in the Head-quarter

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU. (Sorghum Vulgare.)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
Eastern Districts—concluded.																
22	Chittagong ...	11 8	11 0	16 0	...	...	...	13 0	13 0	11 8	18 12	18 0	15 14	...	...	...
23	Noakholly ...	...	...	...	...	...	...	19 0	19 0	19 0	21 0	20 0	21 0	...	...	...
24	Tipperah ...	12 8	12 8	12 1	...	...	...	17 8	17 8	16 11	22 0	22 0	18 12	...	...	...
25	Chittagong Hill Tracts.	...	...	...	...	...	...	13 5	14 8	11 7	15 4	16 0	12 5	...	...	...
	Hill Tipperah...	8 0	8 0	12 0	...	...	...	10 0	10 0	12 0	22 0	22 0	15 0	...	...	...
BEHAR.																
26	Patna ...	19 0	19 0	19 0	28 0	28 0	32 0	11 8	11 0	11 8	20 0	20 8	24 0	18 0	18 0	26 0
27	Gya ...	17 0	17 0	17 8	25 0	25 0	35 0	10 0	10 0	11 0	16 0	16 0	16 0	...	...	...
28	Shahabad ...	17 0	16 8	16 0	25 8	25 0	28 0	9 0	8 12	8 0	13 0	17 0	16 0	...	...	...
29	Durbhunga ...	16 8	17 0	18 11	31 0	40 0	33 0	13 8	12 0	12 0	20 0	19 0	20 14	...	...	...
30	Mozufferpore ..	16 0	16 0	20 0	25 0	25 0	30 0	12 0	12 0	12 0	18 0	18 0	22 0	...	...	...
31	Sarun ...	17 2	17 2	15 8	25 8	26 0	29 0	9 8	9 4	8 0	19 12	20 8	21 0	...	...	...
32	Chumparun ...	17 0	16 0	21 0	30 0	31 0	35 0	9 0	7 8	7 8	16 8	16 8	18 0	...	...	...
33	Monghyr ...	18 9	19 0	18 14	33 9	29 7	39 5	13 14	13 14	14 0	16 12	16 12	17 14	...	...	21 0
34	Bhagulpore ...	18 4	18 15	16 11	26 8	27 8	37 14	15 2	15 12	17 10	17 10	18 4	20 3	...	...	...
35	Purneah ...	18 0	20 0	20 0	...	...	...	19 0	19 0	20 0	21 0	22 0	22 0	...	...	...
36	Maldah ...	18 0	18 0	18 0	...	...	...	14 0	14 0	14 0	21 0	21 0	21 0	...	...	...
37	Sonthal Pergha.	13 0	13 0	14 0	...	...	...	16 0	16 0	18 0	20 0	20 0	26 0	...	...	...
ORISSA.																
38	Cuttack ...	10 8	15 12	14 7	...	...	...	11 13	11 13	13 2	18 0	18 0	18 0	...	...	...
39	Pooree ...	14 7	13 2	10 8	...	...	...	18 2	17 1	14 7	21 0	22 5	22 5	...	...	...
40	Balasore ...	15 0	15 0	16 0	18 0	18 0	18 0	14 0	14 0	14 0	27 0	28 0	27 0	...	...	...
CHOTA NAGPORE.																
South-West Frontier Agency																
41	Hazaribagh ...	15 0	15 0	19 0	19 0	20 0	21 0	8 0	8 0	9 8	15 0	15 0	19 0	Not	precurable.	...
42	Lohardugga ...	13 0	14 0	24 0	Not available	30 0	15 0	15 0	18 0	18 0	18 0	22 0	...	...	...	...
43	Singbom ...	14 0	14 0	20 0	16 0	16 0	22 0	16 0	16 0	20 0	20 0	20 0	24 0	...	...	...
44	Manbhoom ...	13 0	13 0	18 0	24 0	20 0	4 0	14 0	14 0	16 0	21 0	22 0	28 0	...	...	...

S At Cox's Bazar retail price of salt 8 seers per rupee.

T At Panckgachia in Fenny sub-division retail price of salt 8 seers per rupee.

U In sub-divisions retail prices of salt per rupee were:—Buxar 10 seers and Sasseram 9½ seers.

V In Madhupani and Tajpore sub-divisions retail prices of salt 10 seers per rupee.

W In sub-divisions retail prices of salt per rupee were:—Hajipore 9½ seers and Westamurhee 10 seers.

X At Bettiah retail price of salt 9 seers per rupee.

SEERS OF 80 TOLAHs.

BAJRA OR COMBU. (<i>Pennisetum typho- ideum.</i>)			MARUA OR RAGI. (<i>Elaeusine Corocana.</i>)		
Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.

[illegible]

KUNYU OR KAKUN, ITALIAN MILLET. (<i>Setaria italica</i> .)			GRAM, OLENA, ORHODA, KADAYAR, OR SUNAGA. (<i>Cicer aristatum</i> .)		
Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.

S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.
...	16	0	15	0	11	0	...	...
...	11	0	11	0	13	0	...	...
...	14	4	14	4	14	0	...	...
...
...	12	0	12	0	12	0	...	...

22	0	21	0	24	0	29	0	29	0	32	0
19	0	19	0	16	0	25	0	28	0	26	0
...	...	...	...	26	8	23	8	28	0	...	...
...	...	...	...	23	4	26	0	27	8	...	...
...	...	...	...	25	0	26	0	28	0	...	...
15	8	16	8	14	0	22	4	22	2	26	0
...	...	...	...	21	8	21	0	23	0	...	...
...	26	4	27	12	29	7	31	8	30	8	...
...	...	...	...	27	12	27	12	27	12	...	...
16	0	17	0	16	0	30	0	30	0	20	0
...	...	...	...	28	0	28	0	27	0	...	...
...	...	...	...	22	0	21	0	22	0	...	...

...	...	...	19 11	(Kalai.)	19 11	17 1
...	...	...	18 6	(Kalai.)	17 1	18 2
...	...	...	16 0		16 0	15 0

Not procurable				19	0	17	0	21	0
...	...	...	...	13	0	13	0	20	0
...	...	...	...	14	0	15	0	16	0
...	...	...	...	17	0	17	0	20	0

Station Bazaar of the Districts of Bengal on the 31st May 1888—(concluded).

												WHOLESALE PRICES PER MAUND OF 40 SEERS.						DISTRICTS.
INDIAN CORN OR MAIZE. (Zea Mays.)				ARHAR OR THUR. CANDIAN PEA. (Cajanus indicus.)				FIREWOOD.				SALT.						
Present return.	Next return.	preceding return.	Corresponding return of last year.	Present return.	Next return.	preceding return.	Corresponding return of last year.	Present return.	Next return.	preceding return.	Corresponding return of last year.	Present return.	Next return.	preceding return.	Corresponding return of last year.			
Eastern Districts—concluded.																		
...	...	...	10 0	10 0	9 0	110	110 0	80 0	9 0	9 0	13 0	3 14 0	3 14 0	3 0 0	Chittagong.	
...	...	...	...	...	...	...	...	...	8 0	8 0	10 0	4 8 0	4 8 0	3 8 0	Noakholly.
...	...	...	10 0	10 0	10 10	...	...	...	8 0	8 0	11 8	4 10 0	4 10 0	3 6 0	Tipperah
...	...	...	...	...	...	320	0 320	320 0	...	6 6	8 0	...	5 8 0	4 8 0	Chittagong Hill Tracts.
...	...	...	12 0	12 0	16 0	...	...	...	9 0	9 0	11 0	4 4 0	4 4 0	3 4 0	Hill Tipperah.
BEHAR.																		
28 8	27 0	33 0	9 0	30 0	28 0	120 0	120 0	12 0	9 12	10 0	11 8	3 12 0	3 14 0	3 1 6	Patna.			
...	...	...	14 0	11 0	21 0	160 0	160 0	10 0	9 8	9 8	10 0	4 4 0	4 4 0	3 5 0	Gya.	
...	...	...	14 0	14 0	16 0	140 0	140 0	180 0	10 0	10 0	12 0	.....	.....	.....	Shahabad.
31 0	30 0	30 0	25 0	24 0	20 8	160 0	160 0	180 0	10 0	10 0	11 8	3 10 0	3 8 0	3 4 0	Darbhanga.			
24 0	23 0	20 0	27 8	30 0	22 0	160 0	160 0	140 0	10 0	10 0	12 0	3 12 0	3 12 0	3 4 0	Mozufferpore.			
23 8	24 0	29 8	27 4	27 0	26 0	160 0	160 0	160 0	10 0	10 0	12 0	3 14 0	3 14 0	3 4 0	Sarun.			
25 0	28 0	32 0	29 8	28 0	22 0	160 0	160 0	160 0	9 0	8 0	11 8	4 0 0	4 0 0	3 7 0	Champaran.			
21 0	27 5	42 0	23 1	25 4	21 0	126 0	126 0	126 0	10 0	10 0	12 9	3 12 9	3 11 0	3 0 0	Monghyr.			
25 4	28 8	35 5	25 4	25 4	23 10	161 8	161 8	161 8	10 1	10 1	12 30	.....	.....	3 3 0	Bhagulpore.	
...	...	...	14 0	12 0	16 0	120 0	120 0	128 0	8 8	8 8	10 8	4 8 0	4 8 0	3 0 0	Purneah.	
...	...	...	...	...	...	120	120 0	120 0	9 8	9 8	11 0	4 0 0	4 0 0	3 6 0	Maldah
28 0	29 0	32 0	24 0	24 0	24 0	200 0	200 0	200 0	9 0	10 0	11 8	4 0 0	3 12 0	3 4 0	Southal Pergas.			
ORISSA																		
...	...	...	15 12	15 12	...	80 0	80 0	80 0	10 0	10 0	14 0	3 14 0	3 14 0	2 12 0	Cuttack.	
...	...	...	15 12	15 12	14 7	80 0	80 0	70 0	10 8	10 8	14 7	3 8 0	3 8 0	2 10 0	Pooree.	
...	...	...	11 8	2 0	11 0	200 0	200 0	160 0	9 8	9 0	10 8	4 2 0	4 4 0	3 6 0	Balasore.	
CHOTA NAGPORE. South-West Frontier Agency.																		
15 0	19 0	18 0	18 0	18 8	21 0	320 0	320 0	320 0	8 0	8 0	10 0	4 8 0	4 6 0	3 8 0	Hazaribagh.			
16 0	Not available	28 0	21 8	28 0	28 0	140 0	140 0	120 0	8 0	7 12	10 0	.....	5 2 0	3 14 0	Lohardugga.		
...	...	...	0 0	22 0	20 0	24 0	240 0	320 0	6 0	6 8	8 0	6 0 0	2 0 0	4 0 0	Singbhoom.	
24 0	28 0	...	8 8	22 0	23 0	240 0	240 0	24 0	...	8 0	10 10	4 6 0	4 8 0	3 8 0	Manbhoom.			

Y In sub-divisions retail prices of salt per rupee were:—Barasat 9½ seers and Jamui 9 seers.
 Z In sub-divisions retail prices of salt per rupee were:—Kishanganj 12 seers and Arrah (at Kishanganj) 9½ seers.
 Z1 In Kishanganj sub-division retail price of salt 8½ seers per rupee.
 Z2 In Arrah sub-division retail price of salt 8 seers per rupee.
 Z3 In Kishanganj sub-division retail price of salt 7-87 seers per rupee.
 Z4 In Arrah sub-division retail price of salt 8 seers per rupee.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		K. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	K. A. P.	R. A. P.	R. A. P.	K. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 10 9	2 8 10	2 9 0	1 7 9	1 5 11	1 6 0	3 2	3 2	3 0	2 1 4	2 0 6	1 13 6
2	Serajgunge ...	1 14 0	1 14 2	..	...	...	...	3 6 0	3 6 0	3 12 0	1 15 0	1 14 0	1 12 0
3	Dacca ...	2 0 0	2 0 0	2 12 0	1 0 0	1 0 0	1 11 0	2 2 0	2 2 0	2 6 0	1 14 0	1 14 0	2 0 0
4	Naraingunge	...	...	...	...	...	...	2 0 0	2 0 0	2 4 0	1 12 0	1 12 0	2 2 0
5	Chittagong ...	3 6 0	3 8 0	2 6 0	...	...	...	2 12 0	2 14 0	3 4 0	2 3 0	2 4 0	2 8 3
6	Patna ...	2 2 0	2 0 0	2 0 0	1 6 0	1 7 0	1 3 6	3 0 0	3 2 0	3 0 0	1 15 0	1 13 0	1 9 0
7	Balasore ...	2 8 0	2 8 0	2 6 0	3 0 0	3 0 0	3 0 0	2 12 0	2 12 0	2 12 0	1 7 0	1 6 0	1 6 0
8	Pooree; ...	...	...	...	...	...	...	...	...	...	1 14 0	1 11 0	1 11 0
9	Cuttack ...	3 10 0	2 5 0	2 10 0	...	...	...	3 4 0	3 4 0	3 0 0	2 2 0	2 2 0	2 2 0

CALCUTTA.

The 12th June 1888.

PRICES PER MAUND

JOWAR OR CHOLU. (<i>Sorghum Vulgare</i> .)			BAJRA OR CUMBU. (<i>Pennisetum typhoidum</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
12 16	1 14 9	1 10 0	2 4 0	2 4 2	0 0
...
...
...
...
2 2 0	2 0 1	6 0	...	...	1 6 0
...
...
...

OF 40 SEERS.

MARUA OR RACI. (<i>Eleusine Coropoda.</i>)			KANGNI OR KAKUN. ITALIAN MILLET. (<i>Setaria italica.</i>)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
...	2 4 7	2 12 0	3 6 0
...
...
...
...
...	...	1 8 0	1 12 0	18 0 1	9 6
...
...
...

undermentioned Marts of Bengal on the 31st May 1888.

GRAM, CHANA, CHHOLA, CADALAY OR SUNAGA. (Cicer Arietinum.)			INDIAN-CORN OR MAIZE. (Zea Mays.)			ARHAR OR THUR CAJMAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 10 8	1 8 3	1 9 0	1 12 0	2 0 4	1 8 0	1 15 6	1 14 4	2 0 0	0 6 3	0 6 3	0 6 9	3 8 7	3 7 10	3 0 0	Calcutta.
1 10 0	1 10 0	1 13 0	...	...	...	...	...	...	...	...	...	3 14 0	3 15 0	3 0 0	Serajungo.
1 1 0	2 1 0	2 11 0	...	...	...	2 0 0	2 0 0	2 7 0	0 6 0	0 5 0	0 6 0	4 4 0	4 4 0	3 3 0	Dacca.
1 4 0	2 4 0	2 8 0	...	...	...	2 8 0	2 8 0	3 2 0	0 10 0	0 10 0	0 8 0	4 0 0	4 0 0	3 2 0	Naraingungo.
1 6 0	2 8 0	3 4 0	...	...	...	3 12 0	3 12 0	4 0 0	0 5 0	0 5 0	0 10 0	3 14 0	3 14 0	3 0 0	Chittagong.
1 6 0	1 5 9	1 8 6	1 6 6	1 7 0	1 3 0	1 6 0	1 4 6	1 5 6	0 5 0	0 5 0	0 5 0	3 12 0	3 14 0	3 1 6	Patna.
1 6 0	2 6 0	2 8 0	...	...	...	3 3 0	3 2 0	3 4 0	0 4 0	0 4 0	0 5 0	4 2 0	4 4 0	3 0 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	3 8 0	3 8 0	2 10 0	Pooree
(Kailai).	...	...	...	...	...	...	...	...	...	...	...	...	...	...
0 0 0	2 0 0	2 0 0	...	...	...	2 5 0	2 5 0	...	0 8 0	0 8 0	0 8 0	3 14 0	3 14 0	2 12 0	Cuttack.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

Meteorological Report of the Province

METEOROLOGICAL DIVISION	DISTRICT.	Representative stations.	STATION OBSERVATIONS.															
			AIR PRESSURE.					TEMPERATURE.					HUMIDITY.		CLOUDS.			
			High-est, 10 A.M., barometer reading of month.	Lowest, 10 A.M., barometer reading of month.	Mean, 10 A.M., for month.	Mean reduced to sea-level.	Variation from normal.	High-est of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Mean, 10 A.M., humidity.	Variation from normal mean.	Mean cloud amount, 10 A.M.	Variation from normal mean, 10 A.M.	Rainfall.
			High-est, 10 A.M., barometer reading of month.	Lowest, 10 A.M., barometer reading of month.	Mean, 10 A.M., for month.	Mean reduced to sea-level.	Variation from normal.	High-est of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Mean, 10 A.M., humidity.	Variation from normal mean.	Mean cloud amount, 10 A.M.	Variation from normal mean, 10 A.M.	Rainfall.
WEST BENGAL.	Pooree	Pooree	29.880	29.557	29.747	29.739	—	102.9	69.2	89.8	81.4	85.0	—	82	—	4.9	—	3.40
	Gopalpore	Gopalpore	29.862	29.515	29.708	29.768	+0.02	100.2	76.8	87.5	81.5	84.5	+0.4	78	—	1.1	-1.8	0.05
	Palae Point	Palae Point	29.802	29.550	29.739	29.760	-0.03	94.5	71.1	80.5	81.0	85.8	+0.0	74	-0	4.6	+0.2	1.25
	Cuttack	Cuttack	29.516	29.476	29.657	29.736	0	114.1	66.8	104.9	81.2	93.1	+2.7	54	-11	4.3	+0.3	1.71
	Balasore	Balasore	29.851	29.495	29.678	29.756	-0.05	104.5	69.8	88.3	78.2	88.3	+2.6	67	—	4.2	—	3.32
SOUTH-WEST BENGAL.	South-West Midnapore and South 24 Pargannas.	Sankor Island	29.916	29.535	29.727	29.733	-0.10	97.2	74.0	92.8	81.7	87.3	+1.7	75	-5	6.7	+1.2	2.05
	Midnapore	Midnapore	29.781	29.418	29.595	29.744	+0.08	110.4	70.2	100.2	78.2	80.2	+1.1	54	—	2.0	—	3.63
	24 Pargannas, Howrah and Hooghly.	Calcutta	29.807	29.542	29.719	29.740	-0.21	100.4	70.7	93.8	77.7	85.8	+0.5	94	-8	4.9	+0.5	3.77
	Burdwan	Burdwan	29.807	29.441	29.629	29.730	-0.12	104.2	71.9	90.2	78.0	88.6	+1.4	80	-7	4.1	+0.1	1.49
	Bankura	Bankura	29.583	29.224	29.397	—	—	109.1	70.0	101.0	78.4	90.0	—	50	—	2.4	—	3.11
EAST BENGAL.	West Burdwan and Hoerhoom.	Ranggunj	29.581	29.198	29.386	29.680	-0.00	111.0	70.9	102.2	79.3	90.8	+2.4	54	—	2.3	—	1.25
	Moorsheadabad	Birahmpore	29.861	29.450	29.657	29.731	-0.04	103.2	70.3	95.0	76.0	85.8	-1.4	71	-1	5.9	+0.5	3.37
	Nuddea	Krishnagore	29.838	29.465	29.656	29.711	—	102.3	67.8	97.2	78.9	87.1	+1.5	62	—	4.0	—	2.08
	Jessore and Khoolna	Jessore	29.500	29.526	29.721	29.757	0	101.3	71.9	95.8	77.8	86.8	+1.3	70	-6	0.3	+1.1	3.02
	Chittagong	Chittagong	29.849	29.542	29.732	29.821	+0.13	98.2	69.0	88.3	75.8	82.1	-0.1	76	-4	5.4	+0.3	12.30
NORTH BENGAL.	Chittagong Hill Tracts	Dumagri	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Backerganj	Barrisal	29.927	29.554	29.741	29.773	+0.10	95.3	70.9	91.8	77.8	84.8	+2.5	72	—	4.7	—	3.08
	Noakhali	Noakhali	29.844	29.581	29.751	29.798	+0.25	90.5	74.3	97.3	79.3	83.3	+1.4	7	—	5.9	—	7.34
	Furreedpore	Furreedpore	29.910	29.543	29.735	29.775	+0.16	99.0	68.4	91.3	75.4	83.3	+1.4	78	—	3.0	—	2.78
	Dacca	Dacca	29.909	29.551	29.748	29.770	+0.12	95.1	69.1	90.8	76.1	83.5	+0.2	77	-3	5.3	0	5.74
NORTH BENGAL.	Comillah	Comillah	29.897	29.574	29.739	29.764	+0.28	94.3	68.3	90.1	75.2	82.7	+0.3	74	—	4.1	—	1.15
	Mymensingh	Mymensingh	29.882	29.537	29.729	29.788	+0.16	91.3	68.1	87.1	72.6	79.9	-0.3	81	—	0.4	—	22.40
	Sogra	Sogra	29.849	29.465	29.667	29.730	—	97.3	66.3	90.7	73.3	82.0	-1.8	72	—	4.5	—	11.45
	Pubna	Serajgunj	29.873	29.509	29.719	29.755	+0.05	97.1	66.7	90.0	72.9	81.5	-0.8	79	—	5.3	—	10.46
	Rajshahye	Kummore Bazar	29.862	29.480	29.669	29.735	-0.01	99.4	63.7	91.2	70.7	80.0	-3.9	77	—	3.1	—	4.23
NORTH BENGAL.	Maldah	Maldah	29.844	29.433	29.627	—	—	103.1	67.6	97.3	74.8	80.1	—	70	—	2.0	—	2.01
	Dinapore	Dinapore	29.818	29.457	29.625	29.746	+0.37	96.1	67.6	89.6	73.4	81.5	-0.9	70	—	5.0	—	10.31
	Rungpore	Rungpore	29.826	29.449	29.645	29.770	-0.17	94.8	67.2	88.6	73.0	80.8	+0.7	77	—	2.7	—	11.17
	Jalpigore and Cooch Behar.	Jalpigore	29.885	29.531	29.702	29.791	-0.05	92.0	64.9	87.6	70.6	79.0	-0.3	70	—	4.2	—	1.02
	Darjeeling Hill Tracts.	Darjeeling	29.104	29.795	29.954	—	-0.10	71.1	48.6	63.9	51.7	57.8	+2.0	86	+1	7.4	+0.2	3.81
NORTH BENGAL.	Furneah and North Bhagulpore.	Furneah	29.814	29.429	29.614	29.740	-0.11	98.3	64.7	91.1	71.9	81.5	-2.5	74	+5	7.1	+0.8	6.74
	Mozufferpore	Mozufferpore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Durhhunga	Durhhunga	29.740	29.367	29.552	29.710	-0.12	99.4	67.4	93.9	77.0	85.5	+0.1	67	+1	1.8	-0.3	2.89
	Champanun	Motihari	29.659	29.298	29.477	29.703	-0.10	102.8	64.3	93.8	72.7	84.3	-0.7	54	—	2.6	—	3.44
	Sarun	Chupra	29.673	29.310	29.495	29.686	-0.25	101.5	69.7	94.4	76.0	85.0	-2.7	53	—	1.8	—	0.94
SOUTH BENGAL.	Shahabad	Dumree	29.408	29.148	29.324	29.609	-0.14	113.9	69.0	100.8	79.6	93.2	+4.7	33	—	1.8	—	0.03
	Shahabad	Bukar	29.616	29.252	29.444	29.681	-0.11	95.4	70.3	103.2	78.4	90.8	+1.6	87	—	1.0	—	0.05
	Arrah	Arrah	29.609	29.296	29.493	29.686	-0.08	109.4	70.7	103.1	77.7	90.4	+1.5	45	—	1.8	—	0.49
	Gya	Gya	29.460	29.141	29.304	29.673	-0.26	112.1	60.2	100.0	74.4	90.2	-1.2	38	-11	2.8	-0.7	0.23
	Patna	Bankipore	29.701	29.325	29.530	29.700	-0.11	109.1	70.2	101.6	76.9	89.3	+0.3	47	-8	1.6	-0.3	1.04
SOUTH BENGAL.	South Bhagulpore and Monghyr.	Bhagulpore	29.740	29.378	29.552	29.713	+0.10	102.4	66.0	94.7	75.7	85.2	-0.7	64	—	2.2	—	5.80
	South Pargannas	Naya Dookma	29.403	29.011	29.210	—	-0.19	104.2	69.6	90.5	77.2	88.7	+1.5	55	—	0.7	—	1.75
	Luzarbhagh	Luzarbhagh	27.887	27.600	27.727	29.674	-0.07	107.0	68.7	102.3	76.3	89.8	+3.1	32	-10	2.7	-0.7	0.73
	Jonadugga Bazar	Bancher	27.775	27.477	27.610	29.677	-0.06	107.0	67.4	100.6	76.0	87.9	+2.8	44	—	2.1	—	1.91
	Shagbh. on	Chyebasan	29.121	28.772	29.441	—	-0.07	112.8	78.4	108.8	80.4	92.5	+5.3	72	—	2.2	—	1.40
SOUTH BENGAL.	Shagbh. on	Sibergar	29.671	29.293	29.487	29.835	-0.06	98.9	68.9	94.0	71.4	77.7	-0.9	41	+3	2.8	-0.1	1.48
	Shagbh. on	Dhupri	29.463	29.468	29.660	29.779	-0.02	91.3	63.4	88.1	73.1	78.8	—	31	+2	2.2	-0.1	1.48
	Shagbh. on	Siehar	29.324	29.530	29.710	29.816	0.12	98.5	68.8	90.8	73.1	79.8	-0.6	39	+1	2.2	-0.1	1.48

Rains for the month of May 1888.

DISTRICT OBSERVATIONS.										Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
RAINFALL.												
Of month.					Since 15th May.							
Mean of dis- trict.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean num- ber of rainy days.	Mean of dis- trict.	Normal mean.	Variation.	Mean num- ber of rainy days.	Normal mean num- ber of rainy days.			
1.89	3.05	-1.16	2.5	5.8	1.74	1.72	+0.02	2.5	3.2	Poorce	Poorce	ORISSA.
-	-	-	-	-	-	-	-	-	-	Gopalpore	Gopalpore	
-	-	-	-	-	-	-	-	-	-	False Point	False Point	
1.33	3.00	-1.67	4.2	6.6	2.25	2.12	+0.13	3.8	4.1	Cuttack	Cuttack	ORISSA.
5.78	4.73	+1.05	6.8	8.5	5.20	2.49	+2.71	5.5	4.2	Balasore	Balasore	
2.08	4.80	-1.82	7.0	8.2	2.98	2.25	+0.73	7.0	4.1	Sanger Island	South-West Midnapore and South 24-Pergun- nahs.	
3.39	5.19	-1.80	7.3	8.0	2.74	2.06	+0.68	6.0	3.7	Midnapore	Midnapore	SOUTH-WEST BENGAL.
3.90	5.67	-2.07	8.2	9.7	3.37	2.63	+0.74	6.9	4.0	Calcutta	24-Pergunnahs, Howrah, and Hooghly.	
3.92	5.05	-1.13	8.7	8.3	1.56	2.02	-1.06	5.3	4.3	Burdwan	Burdwan	
3.11	3.07	-0.86	6.8	9.7	2.48	2.02	+0.46	5.0	4.0	Bankoora	Bankoora	SOUTH-WEST BENGAL.
2.81	3.41	-0.60	8.5	8.1	1.74	1.43	+0.34	5.3	4.4	Raniganj	West Burdwan and Bishnupur.	
3.28	3.27	-1.00	11.0	8.3	2.08	3.11	-1.03	7.3	4.8	Berhampore	Moorshedabad	
4.69	6.31	-1.62	9.2	9.2	1.92	3.50	-1.58	5.4	5.2	Krishnagore	Nuddea	EAST BENGAL.
2.46	6.79	-4.33	6.5	10.6	1.13	3.28	-2.15	3.8	5.5	Jessore	Jessore and Khoolna	
1.30	10.00	+1.80	10.5	12.2	9.47	5.27	+4.20	7.0	5.0	Chittagong	Chittagong	
8.20	9.60	-1.30	10.5	13.6	6.47	4.09	+2.38	8.5	6.4	Demagiri	Chittagong Hill Tracts	EAST BENGAL.
2.40	7.66	-5.26	5.8	12.4	1.65	3.88	-2.23	4.8	6.2	Barrisal	Backerganj	
6.50	10.40	-3.84	10.0	13.2	5.02	4.75	+0.27	8.6	6.4	Noakhully	Noakhully	
4.47	8.59	-4.12	8.3	11.8	3.04	4.33	-0.09	6.0	5.8	Furzedpore	Furzedpore	EAST BENGAL.
4.57	8.92	-4.35	11.3	12.9	3.82	3.87	-0.05	8.0	6.0	Dacca	Dacca	
0.23	10.43	-0.15	10.8	13.5	7.74	4.32	+3.42	8.8	6.4	Commillah	Commillah	
6.90	9.45	+7.01	15.0	12.8	11.41	4.64	+6.77	11.6	6.5	Mymensingh	Mymensingh	NORTH BENGAL.
9.98	7.79	+2.19	11.3	10.9	9.09	4.44	+4.65	9.0	5.7	Bogra	Bogra	
7.68	7.11	+0.55	15.0	11.1	6.48	3.30	+3.18	10.5	5.6	Serajgunj	Pubna	
5.11	6.13	-1.02	11.5	9.1	2.96	3.34	-0.38	8.0	5.0	Rampore Beau- louh.	Rajshahye	NORTH BENGAL.
3.41	4.50	-1.09	10.0	7.5	2.45	2.83	-0.38	6.5	4.0	Maldah	Maldah	
3.30	6.42	+1.88	9.4	8.3	7.01	4.26	+2.75	7.4	4.5	Dinapore	Dinapore	
11.75	11.23	+0.52	14.5	12.5	9.40	7.40	+2.00	11.0	6.7	Rungpore	Rungpore	NORTH BENGAL.
8.14	13.76	-5.62	12.8	16.0	6.49	9.11	-2.62	10.0	8.7	Julpigoree	Julpigoree and Cocin Behar.	
6.74	11.32	-4.58	15.8	16.5	4.75	7.00	-2.25	12.3	9.0	Darjeeling	Darjeeling Hill Tracts...	
6.31	4.94	+1.37	7.6	6.7	5.72	3.05	+2.67	6.8	3.2	Purneah	Purneah and North Bhagulpore.	NORTH BENGAL.
1.97	2.43	-0.89	3.0	4.3	1.67	1.36	+0.21	3.0	2.1	Mozufferpore	Mozufferpore	
2.35	3.63	+0.23	3.7	4.5	2.85	1.37	+1.48	3.7	2.0	Durbhunga	Durbhunga	
2.49	2.89	-0.10	5.0	4.7	2.49	1.35	+1.14	5.0	3	Motihasi	Chumpran	NORTH BENGAL.
6.92	3.08	-1.16	2.0	3.5	0.92	1.09	-0.17	0	1.6	Chupra	Saran	
0.86	1.41	-0.55	1.4	2.9	0.56	0.93	-0.37	1.4	1.6	Dehree	Shahabad	
4.37	1.78	-1.59	1.5	3.3	0.37	1.37	-1.00	1.8	1.9	Gya	Gya	SOUTH BENGAL.
1.20	3.09	-0.89	2.3	3.5	1.15	1.43	-0.28	2.0	2.0	Bankipore	Patna	
2.18	3.45	-0.38	4.0	4.3	1.92	1.61	+0.31	3.4	2.2	Bhagulpore	South Bhagulpore and Monghyr.	
2.49	3.54	-1.05	7.5	6.2	1.87	2.43	-0.56	5.3	3.3	Naya Doonka	Sonthal Pergunnahs	CHUTTA NAGPUR.
0.46	3.15	-2.69	3.0	5.6	0.40	1.68	-1.28	2.4	3.0	Hazaribagh	Hazaribagh	
1.30	3.64	-2.34	3.7	5.9	1.01	1.94	-0.93	3.3	3.4	Lohardugga	Lohardugga	
1.33	3.72	-2.39	7.5	6.6	1.17	1.66	-0.49	6.0	3.6	Ranehee	Manbhoom	ASSAM.
2.43	3.77	-1.34	8.0	5.8	2.07	2.57	-0.50	5.0	4.9	Chyebassa	Nyguacom	
-	-	-	-	-	-	-	-	-	-	Sibsagar	Sibsagar	
-	-	-	-	-	-	-	-	-	-	Dhubri	Dhubri	ASSAM.
-	-	-	-	-	-	-	-	-	-	Silchar	Silchar	

Table of Rainfall recorded at Stations

[illegible]

Bengal in May 1888.

22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1883 up to 31st May 1883.	Average rainfall from 1st January up to 31st May 1883.	Station.	District.	Meteorological division.
...	0.05	...	...	...	...	3.26	2	5.2	4.90	2.60	3.26	7.20	5.43	Pooros Khurdah.	Pooros	ORISSA.
...	0.43	...	...	...	0.30	1.15	3	7.4	1.33	5.34	1.15	2.24	5.81	Banspur.	Pooros	
...	0.31	3	4.4	0.92	0.92	2.30	4.81	8.45	Kose Point, Gop. Pipili.	Pooros	
...	0.88	3	6.4	0.94	2.16	0.88	2.72	5.01	Jagatsingapore.	Outback.	
...	1.10	...	0.03	...	...	1.74	4	8.3	3.10	3.27	1.74	6.60	6.84	Ranki.	Outback.	
...	0.03	...	...	...	...	0.82	4	6.1	3.48	3.94	0.93	7.94	7.04	Kendrapara.	Outback.	
...	0.76	...	1.46	...	0.17	0.26	7	7.4	3.19	4.35	1.46	6.10	9.03	Jajpore.	Outback.	
...	0.55	2.10	...	...	0.60	...	3	?	3.25	?	2.10	...	?	Dharmadalla, Salipore.	Outback.	
...	0.60	...	...	2.10	...	4	7.3	3.40	4.80	2.16	7.20	8.50	Chandbali.	Balasora.	
...	0.70	...	2.40	...	0.96	1.08	5	8.2	5.23	5.17	2.30	11.20	10.25	Blumdrick.	Balasora.	
...	0.60	...	0.70	...	0.50	1.26	8	8.2	6.44	4.99	1.75	12.63	9.54	Sorah.	Balasora.	
...	1.00	...	0.70	1.80	0.73	0.73	7	9.7	5.45	4.97	1.80	14.27	11.67	Balasora.	Balasora.	
...	0.50	0.40	0.60	1.50	1.50	1.20	9	7.9	7.76	3.44	1.60	12.75	7.78	Jhalsore.	Balasora.	
...	0.74	...	2.27	1.94	...	0.85	8	10.2	6.43	4.97	2.27	10.30	8.06	Baripodah.	Balasora.	
...	0.90	...	0.20	0.75	0.04	0.95	10	6.5	3.73	4.41	0.95	9.61	8.79	Contal.	Midnapore	
...	0.48	...	0.17	0.31	0.31	0.31	7	8.7	2.96	4.42	1.20	8.90	8.04	Saukor Island.	Midnapore	
...	0.40	0.80	0.24	0.50	12	6.5	2.50	4.80	1.50	9.33	9.75	Tindook.	Midnapore	
...	1.55	...	0.05	0.08	0.24	0.50	12	8.7	6.35	5.02	1.55	11.08	9.75	Midnapore.	Midnapore	
...	0.47	0.45	...	...	...	0.25	7	8.4	2.38	6.14	1.02	8.20	9.07	Glital.	Midnapore	
...	0.25	4	?	3.01	?	2.25	13.00	?	Kukralaty.	Midnapore	
...	0.20	...	1.02	0.75	1.15	1.92	5	?	5.45	?	1.62	12.08	?	Heria.	Midnapore	
...	1.72	1.05	1.67	0.79	5	?	5.08	?	1.72	11.28	?	Baruanapore.	Midnapore	
...	0.22	...	0.14	0.60	...	0.48	5	?	1.80	4.18	0.48	7.97	9.73	Garbeta.	Midnapore	
...	0.16	...	...	1.08	0.24	0.73	4	9.3	2.19	4.04	1.06	11.12	11.07	Diamond Harbour.	24 Perganahs	SOUTH-WEST BENGAL.
...	0.15	...	0.26	0.51	0.23	0.11	8	?	2.35	?	0.97	11.40	?	Channing Town.	24 Perganahs	
...	0.78	...	0.62	0.06	0.33	0.03	14	10.0	3.70	5.29	1.12	13.47	10.97	Alipore Jail.	24 Perganahs	
...																

Table of Rainfall recorded at Station

Met. Station.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
EAST BENGAL —concl.	Nonkholy— concl.	Harishpore	0.80	...	...	...	...	...	...	...	...	...	...	...	...	...	0.50	4.50	...	1.50	...
		Kousganj	0.33	0.10	...	...	...	...	...	...	...	...	...	...	...	...	...	1.71	...	0.22	...
		Parasodpore	1.00	...	...	...	...	...	...	0.00	0.87	...	...	...	...	...	...	...	...	...	0.57
		Gaulando	0.37	...	...	...	...	...	...	0.80	0.37	...	...	...	...	...	...	...	...	...	0.75
	Dacca	Munshigunge	0.19	...	...	...	...	...	...	0.40	0.10	...	...	...	...	...	...	...	0.10	0.18	0.61
		Dacca	0.11	...	...	...	...	...	0.34	0.11	...	...	...	...	...	...	...	0.07	0.34	0.73	
		Narainpore	0.18	...	...	...	...	...	...	0.74	0.12	...	...	...	...	...	...	...	0.18	0.15	0.83
		Manickpore	0.14	...	...	...	...	...	...	0.70	0.07	...	0.30	...	...	...	...	...	...	0.30	0.50
	Hill Tipperah	Joydebpore	0.20	...	...	...	...	...	...	0.61	...	...	0.12	0.33	...	...	...	...	1.10	1.70	0.47
		Agartola	1.99	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.40	...	0.35
		Comilla	2.42	...	...	...	...	...	...	0.70	...	...	...	...	...	...	...	...	0.82	...	0.17
		Chandpore	0.70	...	...	...	...	...	...	0.60	...	...	...	...	...	...	...	...	0.10	0.15	...
	Tipperah	Brahmunberia	3.30	0.02	...	...	...	...	...	0.46	...	...	0.10	...	...	...	...	...	1.07	0.48	0.41
		Ramchandrapore.	2.20	...	...	...	...	0.21	0.23	...	...	...	...	...	...	...	...	...	2.55	0.24	...
		Nasirpore	2.00	...	...	...	...	...	...	0.30	...	...	...	...	...	...	...	...	2.60	...	0.50
		Daudkandi	1.72	...	...	...	...	...	...	0.70	0.23	...	...	...	...	...	...	...	1.05	0.55	0.48
	Mymensingh	Kasha	1.72	...	...	...	...	...	...	0.77	...	...	...	...	...	...	...	...	...	...	0.21
		Loksham	3.85	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.71	0.74	0.11
		Kishoregunge	1.11	...	...	0.12	...	...	...	...	0.09	...	...	...	...	...	...	...	1.72	0.27	1.01
		Atia (Tangail)	0.31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.85	...	0.20
	Mymensingh	Mymensingh	2.35	0.15	...	0.08	...	...	0.10	...	...	...	...	...	0.42	...	...	...	1.77	0.95	1.06
		Jamulpore	0.36	0.32	...	...	...	...	...	...	...	0.10	...	...	0.12	0.53	...	...	1.27	0.43	2.74
		Netrokona	3.00	0.05	0.7	...	...	...	0.15	...	...	...	...	...	...	...	...	...	1.85	0.75	0.50
		Subornakhally	0.52	0.21	...	...	...	...	...	...	...	0.21	...	...	...	...	0.09	...	2.27	...	0.08
	Dacca	Durgapore	2.50	...	0.50	...	...	...	...	...	...	...	...	...	...	...	...	...	0.30	2.30	0.70
		Dewanpore	0.55	...	0.18	...	...	...	...	...	...	...	1.06	...	...	...	...	...	0.96	...	1.10
NORTH BENGAL		Pubna	0.72	...	...	0.52	...	...	...	0.03	0.03	...	0.20	...	...	...	...	...	0.70	0.06	0.74
		Serajpore	0.15	0.05	...	...	...	...	...	...	...	...	0.31	...	0.30	...	...	...	0.82	0.05	0.71
	Roxa	Sherpore	...	0.30	...	...	...	...	...	...	...	0.85	...	...	...	...	...	...	0.08	0.03	0.15
		Nowkhilla	0.11	0.32	...	...	...	...	...	...	...	0.35	...	...	...	...	...	...	0.95	0.14	0.83
		Hogra	...	0.44	...	...	...	...	...	...	...	0.75	...	...	...	...	...	...	0.27	0.24	...
		Panchbibi	0.05	0.34	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.21	1.09
	Rajshahiye	Beaulah	0.16	...	...	...	0.00	0.70	...	...	...	...	0.97	...	...	...	...	...	0.07	0.30	0.40
		Nattore	0.70	...	...	0.30	...	...	...	...	...	...	1.02	...	...	...	...	...	0.45	0.25	0.50
		Narayan	0.29	...	...	...	...	...	...	...	...	...	0.05	0.05	0.50	...	...	...	...	0.19	...
		Lalpara	...	1.93	0.40	...	...	...	...	...	0.14	0.08	...	0.50	...	...	...	...	...	0.19	...
	Manda	Manda	0.30	...	...	...	...	...	...	...	...	0.50	...	...	...	...	...	...	...	1.50	...
		Maldah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Chanchal	0.34	0.07	...	...	...	...	...	...	...	0.13	...	...	...	...	...	...	...	0.43	...
		Gajol	0.20	0.50	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.80	...
	Sibganj	Sibganj	0.08	...	...	...	...	...	...	...	...	0.34	0.40	...	...	...	...	...	...	0.54	0.55
		Dinapore	Mohadehpore	1.00	0.36	0.39	...
			Churamon	0.06	0.35	0.24	0.52	...
			Raigunge	...	0.42	0.08	0.25	...
	Dinapore		0.07	0.32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.33	...
	Baloorghat	Baloorghat	...	0.47	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.28	...
		Rungpore	Rhawangunge	1.32	...	0.32	0.45	1.75	0.54	0.14	...
			(Oyabanda).
			Rungpore	1.07	0.12	0.05	0.31	0.50	...	0.36
	Kurigram		2.82	0.12	0.22	...	...	...	...	...	...	...	...	...	...	...	...	...	0.99	0.06	...
	Hogdogra	Hogdogra	0.20	0.17	...	...	...	...	...	0.46	...	...	...	...	...	...	...	...	0.47	0.08	...
		(Nityamari).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ulipore	2.70	1.10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.20	...	...
		Julpigore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Julpigore	Julpigore	...	...	...	...	...	...	...	0.32	...	...	...	...	...	1.54	...	0.66	...	...	0.59
		Alipore Doar	...	...	...	...	...	...	...	0.30	0.53	...	0.13	...	...	...	...	...	...	0.06	...
		Palagolla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.10
		Dehiganj	0.27	0.10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.13	0.80
	Cooch Behar	Dinhatia	0.27	0.05	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.71	0.05
		Cooch Behar	...	...	...	...	...	...	...	0.08	0.07	0.70	...	...	...	...	...	...	...	0.50	...
		Mickhenra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.50	...
		Matabhanga	...	...	...	...	...	...	...	0.27	0.26	...	...	...	...	...	...	...	...	1.04	...
	Darjeeling Hill	Matabhanga	...	...	...	...	...	...	...	0.21	0.26	...	...	...	...	...	...	...	...	0.53	...
		Buxa	...	...	0.21	0.05	...	...	0.10	1.06	...	...	0.19	...	...	...	0.57	0.77	...	...	3.27
		Siliguri	0.05	...	...	...	...	...	...	...	...	0.05	...	...	...	...	...	...	0.22	0.02	...
		Darjeeling	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.05	0.23	0.13
	Kalimpong	Kalimpong	...	...	...	...	...	...	0.16	0.04	...	...	...	...	...	...	...	...	...	0.04	0.04
		Purneah	Kissengunge	0.13
			Arrah
			Purneah	1.43	0.04	0.13	0.01
	Gondwara		1.55	0.10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.55	0.05
	Balarampore	Balarampore	1.13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Matiari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kaliaganj	0.10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.50	0.50
		
	North Bismul-pore	Maddapore	0.02	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.52	0.55
		Roopul	0.07	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.54	0.09
		Protaganj	0.51	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		
	Durbhanga	Tajpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Durbhanga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.70	0.71
		Madhubani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.71	0.03
		Bahera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.50	0.10
	Mozufferpore	Roshara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.58	0.18
Sitamarhi		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Muzafferpore		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.75	...	
Wajihpore		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Saran	Paru	...																				

23	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1888 up to 31st May 1888.	Average rainfall from 1st January up to 31st May 1888.	Station.	District.	Meteorological division.
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore	Northcholly—	East Bengal—
0.27	0.30	0.16	0.20	0.00	0.08	0.17	0.20	0.05	10	11.6	8.70	3.66	4.50	20.04	20.05	20.04	Harishpore		

Bengal for the month of May 1833—concluded.

[illegible]

**SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVA-
TIONS TAKEN IN ASSAM, DURING THE MONTH OF MAY 1888.**

THE normal meteorological conditions in Bengal during May are to a considerable extent similar to those of April. There is the steady and increasing difference of temperature between the land and the sea area, and in this month this difference attains almost its maximum. The area of maximum temperature during May includes the western districts of South Behar, the North-West Provinces, Rajputana and Central India. With the increasing temperature of the land surface, the southerly winds blowing from the Bay of Bengal strengthen considerably, and owing to the physical obstacles of the hill systems to the east and north of Bengal, they appear as south-easterly winds in East Bengal, and as easterly winds in North Bengal. At the same time, however, the usual hot, dry westerly winds are blowing over considerable portions of Behar and Chutia Nagpur, and thus during May, as explained in previous monthly reports, conditions are favourable to the production of the local storms called nor'-westers. These, it is probable, are produced by the action of the opposing winds in elevating the moist sea breezes, and by this ascensional motion their water vapour is condensed, and sufficient energy is at the same time liberated to produce the well-known effects of these storms.

The southerly breezes which blow during this month at the head of the Bay are of considerable strength, and in fact at Saugor Island and False Point the wind velocities measured in May are generally greater than those during the actual rainy season, but there is reason to believe that during May the current is of comparatively small depth compared to what it is during the actual monsoon period. These winds, however, carry considerable amounts of moisture into East and North Bengal, and in the neighbourhood of the hills ascensional movement takes place, followed frequently by local storms and by heavy rainfall. This action will account for the large rainfall which occurs during this month in the northern and eastern districts of the province.

During May the distribution of the normal rainfall is simple, and the lines of equal rainfall run nearly north and south through the province, or rather almost parallel to a line joining the Chittagong Hill Tracts, the Tipperah Hills, the Garo Hills, and the Darjeeling Hills, the largest amounts being received in the eastern and northern districts, and smallest amounts in the western districts. Thus the average rainfall of the month is less than 2 inches in the southern parts of the Sarun and Mozufferpore districts, the Gya and Shahabad districts, and the western parts of Chutia Nagpur. To the east of these districts, up to a line running nearly north from the mouth of the Hooghly, the rainfall increases from 2 up to 5 inches. To the east of this, up to a line passing through Rungpore, Jamalpore, Mymensing, Bramunberiah, Comilla, and Cox's Bazar, the average rainfall increases eastwards from 5 to 10 inches. To the east of that line it exceeds 10 inches, and increases rapidly in amount towards the Garo and Khasia Hills and towards the Doorgs, and at Buxa in the Western Doorgs, the average rainfall in May is no less than 20.93 inches.

The meteorology of May is generally rather important, for about the second or third week, the south-west monsoon makes its appearance in the south of the Bay, and gives heavy rain and fairly strong winds at the South Ceylon stations. The monsoon current gradually creeps up the east of the Bay, and rain sets in along the Arakan coast towards the close of the month, and it afterwards spreads into East and North Bengal early in June.

In the front of the advancing monsoon current frequently cyclonic storms arise, which are sometimes small and feeble, and at other times larger and of considerable intensity. When these cyclonic storms are formed quite in the south of the Bay, they usually advance towards the Madras coast; but when the storms originate rather later, that is, when the monsoon current has advanced well into the centre of the Bay, the storms which then form appear usually to advance either towards the Arakan coast, or towards the South Bengal coast.

Meteorology of the month — The principal features of interest in the meteorology of the past month have been —

1. A mean barometric pressure for the whole province of Bengal which has been almost normal, though at the western and northern stations pressure has been slightly below the normal, and at the south-eastern stations slightly above it. The variation from the normal for the whole province is a defect of only 0.007 inch. In Assam pressure has been below the normal by 0.04 inch.

2. A mean temperature for the whole province which has been slightly (0.6°) in excess of the normal. The northern districts of the province have, however, shown mean temperatures distinctly below the normal, while South Behar, Chutia Nagpur, Orissa, South-West and East Bengal have all shown excess temperatures. In Assam temperature has been below the normal by 0.9°.

3. Rainfall has been below the normal in all the meteorological divisions of the province of Bengal except in North Behar, where the fall has been normal in amount. In Orissa

East Bengal, and North Bengal the defects are small; in South-West Bengal and South Behar the defects are considerable; while in Chutia Nagpur the defect has been large, and the rainfall has been only 38 per cent. of the usual amount.

4. There were three periods in the month during which weather was disturbed. The first period was short, and on the 1st and 2nd local storms with rain were rather numerous in South-West, East and North Bengal. Again from the 6th to the 10th weather conditions over the same districts became disturbed, and showers accompanying local storms occurred with moderate frequency. The third period of disturbance lasted from the 16th to the end of the month, and at this time all the divisions of Bengal received showers, and for the last three or four days of the month the local storms were rather numerous, and moderately heavy rainfall was received.

5. The first advance of south-west monsoon winds in the south of the Bay took place about the 8th or 9th of the month, and in front of this advance a small cyclonic storm was formed which crossed the Madras coast. This advance, however, does not appear to have progressed very far up the Bay. The second advance commenced about the 17th, and lasted only for five days, and it would appear that in this advance the monsoon winds reached about the centre of the Bay, when they again died away. The third advance of the monsoon current commenced in the south of the Bay on the 27th, and from this date up till the end of the month very strong winds were reported in the south of the Bay. A small storm was subsequently formed in front of this advance, but as it did not form till early in June, its history will be described in the meteorological summary for that month.

At the end of April a distinct low-pressure area had formed over Chutia Nagpur, which also caused comparatively low pressure over the greater part of Orissa, South and South-East Bengal. The wind systems blowing over the province were also somewhat irregular; south-westerly winds prevailed in Orissa and Chutia Nagpur, southerly winds in South and South-East Bengal, and easterly, north-easterly and northerly winds elsewhere. These winds were also at the majority of stations very moist, and, owing to the rainfall which was occurring, temperature was generally considerably below the normal. Under such conditions weather continued disturbed, and local storms with rain were general in South-West, East and North Bengal, and in the southern parts of Chutia Nagpur up to 1st and in many cases up to the 2nd of May, and even over a large part of Behar, rainfall was general on April 30th; but in the Shahabad, Gya and Patna districts in South Behar and in the Hazaribagh and Lohardugga districts of Chutia Nagpur, rainfall was practically absent throughout this period. A slight change, however, commenced in the meteorological conditions of the province on the 1st, inasmuch as the easterly element in the wind directions became less strongly pronounced. These moist easterly winds again diminished in force on the 2nd, and by the 3rd they had practically retired from Bengal, and westerly and south-westerly winds, accompanied by a decided decrease in the humidity, obtained in their place. In Assam, however, moist easterly winds were still reported, and this district continued to receive rain. From the 2nd fairly settled weather obtained over the whole of Bengal, and rainfall was practically absent up to the 5th, though there was a slight re-action noticeable in the wind directions, and an easterly wind current commenced to make itself felt at the eastern and northern stations; while in Chutia Nagpur and at some of the central stations in Behar northerly and north-westerly winds were reported. On the following day winds in Chutia Nagpur became north-westerly, though more or less easterly winds were still blowing at the eastern stations. On the 7th the easterly winds again extended to Chutia Nagpur and parts of Behar, and for some days similar oscillations took place from day to day. These changes in the wind directions and the slight interaction taking place between the wind systems over the province at once caused weather conditions to become slightly disturbed, and local storms with rain became rather more numerous from the 6th, and they continued moderately frequent up to the 10th. The storms only extended over parts of the various districts, and thus the rainfall brought up by them was not general in any part of the province. Rainfall was in fact mainly confined in Orissa to the Balasore district; in South-West Bengal to the Burdwan, Bankoorah, Beerbhoom, Nuddea, Jessore, and Moorshedabad districts; in East Bengal to the Furreedpore, Dacca, Tipperah and Mymensingh districts; in North Bengal to the Rajshahye, Maldah, and Julpigoree districts; in South Behar to the Sonthal Pergunnahs district; and in Chutia Nagpur to the Manbhoom district. Over the whole of North Behar and in the remaining districts of the other meteorological divisions, local storms were very few in number, and rainfall was almost absent.

While, however, the meteorological changes in Bengal at this period were unimportant, in the south of the Bay conditions decidedly altered. From about the 7th or 8th it was clear that the general distribution of pressure over the Bay was favourable for the first advance of south-west monsoon winds in the south of the Bay, and about the 8th or 9th the first feeble advance did take place. The advance was decidedly less powerful than usual, but nevertheless in front of the inrush of moist winds a small cyclonic storm was formed which on the 11th appeared off the South Madras coast, the centre being not far off the land, and apparently to the east-north-east of Negapatam at 8 A.M. of the 11th.

The storm during the night of the 11th advanced across the coast in a westerly or west-north-westerly direction, the centre apparently passing near Cuddalore, and on the morning of the 12th the centre was well inland to the north-west of Negapatam. Though the storm was by no means an intense one, yet it gave strong winds, a rough sea, and rather squally weather along the whole of the coast from Madras southwards. On the 13th the small storm had again advanced in a north-westerly direction, but it had rather rapidly died up, and had practically disappeared. This advance of the monsoon winds was rather a feeble one, and it does not appear to have advanced as a definite moisture bearing current very far up the Bay, but the low pressure, which apparently accompanied its advance in the south of the Bay, afterwards spread in a northerly direction, and a wave, or perhaps two waves of decidedly low pressure, advanced over the Bay into Bengal. The first rapid fall of pressure in the north of the Bay took place on the 13th, and continued on the 14th, when at some stations pressure fell by no less than a fifth of an inch during the two days; on the 15th there was a slight recovery; but on the 16th a further very rapid fall commenced, which was greatest on the Burma coast and in Orissa, and there was again a very large decrease on the 17th off the Arakan and Pegu coasts, the fall in some cases exceeding 0.15 inch. This caused a very distinct low-pressure area to be formed to the south-west of Akyab, and this diffused depression was accompanied by a distinct cyclonic circulation of winds. The depression probably gave somewhat squally weather over the northern half of the Bay on this day; but it did not concentrate or develop into any definite storm, and on the following day the area of low pressure advanced over South Bengal, when the pressure recorded became extremely low, as for instance Balasore registered 29.544 inches a pressure almost as low as is generally recorded at the commencement of the rainy season. Beyond, however, this abnormal pressure and bringing up with it moderately strong, but very moist, winds, and giving rather numerous showers, the depression did not influence the weather in Bengal to any material extent, and it subsequently passed into the interior of the province and afterwards appeared in Behar.

For the period from the 18th to the 25th, weather continued generally slightly disturbed, and local storms with rain were fairly numerous. For the greater part of this period a rather strong moist southerly wind current was blowing at the southern stations, south-easterly and easterly winds were blowing at the eastern stations, and a steady easterly and north-easterly current at the northern stations; while in the west and south-west of the province winds were south-westerly and westerly. There was thus a feeble circulation of winds over the province, which caused local disturbances and rain.

While, therefore, the conditions in Bengal and Assam at this period had not varied to any large extent, more important changes were occurring in the Bay; and a second advance of monsoon winds took place in the south of the Bay, and from the 17th up to the 22nd decidedly strong winds were reported from the Ceylon stations. After this date wind velocities again rapidly decreased. This advance of monsoon winds did not, as in the first case, give rise to any storm in front of it, and it apparently simply advanced up the centre and east of the Bay, and moderate and fairly general rain commenced to fall at the South Burma stations from about the 24th, though it was only on the 26th that very heavy rain (nearly 7 inches) was first reported at Moulmein. It is impossible to say with certainty how far up the centre of the Bay this advance of south-west monsoon winds reached, but it is probable it extended over the whole of the southern half.

For the last week of the month the weather in Bengal remained decidedly disturbed, and there was a distinct tendency to a circulation of winds. In Orissa winds were south-westerly, and in South-Bengal south-westerly and southerly, and the velocity of the winds blowing at the head of the Bay was very large, particularly at the commencement of the week. At the eastern stations winds were south-easterly, and at the northern stations easterly, while in the west of Behar and in Chutia Nagpur winds were in some cases north-westerly and westerly. The result of this interaction and of the strong moist winds pouring into the province was the formation of extremely numerous local storms, generally accompanied by rain, in almost all districts of the province, and thus good general rain was received. This rainfall, however, cannot be said to have been brought up by the true south-west monsoon current, for this had not made its appearance over Bengal up to the close of the month.

The meteorological changes taking place in the Bay were again more important than those over the land area. It has been noticed that the second advance of monsoon winds took place over the south of the Bay, from the 17th up to the 22nd. Winds then fell off in strength at the southern stations, and up to the morning of the 27th they remained of about normal force. From this date, however, an extremely rapid increase took place in the strength of the winds at the Ceylon stations, and exceptionally strong winds were reported from the 28th up to the close of the week. During this period weather must have been more or less stormy generally over the whole of the south of the Bay, but up to June 1st there was no evidence of any distinct storm having formed in front of this rush of monsoon winds, which on this date had reached well into the middle of the Bay, and when it almost appeared as if the advance would continue up the Bay, and bring about the commencement

of the true rains in Bengal. The further history of this advance, however, belongs to the meteorology of the following month.

Pressure.—Was slightly in defect of the normal during the first week of the month; in the second week a slight, but decidedly larger, general excess was recorded; in the third week pressure was again in defect; and it remained slightly in defect till the close of the month. Taking into consideration only those stations from which records have been received for a series of years, it is found that the mean pressure for the whole of Bengal for May has been only 0.007 inch in defect of the normal. In South-East Bengal a slight excess pressure, such as 0.013 inch at Chittagong, has been recorded, while larger defects have been registered at the western and northern stations; thus Calcutta has been in defect of the normal by 0.021 inch, and Gya by 0.026 inch. In Assam pressure has been in defect by 0.014 inch.

Temperature.—The temperature variations during the month have to a great extent depended on the distribution of the rainfall, but the general mean temperature of the province has been in excess by 0.6°. North Bengal and North Behar show defects of from one to one and a half degrees; South-West and East Bengal show excess temperatures less than one degree; Orissa and South Behar temperatures from one to one and a half degrees above the normal; while in Chutia Nagpur the excess is three degrees. In Assam a defect of 0.9° has been registered.

Some fairly high maximum temperatures have been recorded during the month. Thus—

At Cuttack	on the 21st	maximum temperature was	114.4°
„ Dehree	„ 23rd	„	113.5°
„ Chyebassa	„ 25th	„	112.3°
„ Gya	„ 22nd	„	112.1°
„ RaneeGUNGE	„ 21st	„	111.0°
„ Midnapore	„ 21st	„	110.4°
„ Arrah	„ 22nd	„	109.4°
„ Bankipore	„ 22nd	„	109.1°

Rainfall.—The periods of rainfall and its general distribution have been already referred to, and it therefore only remains to state the amounts which have been received. The only district which has received a fall in excess of the normal is North Behar, which has received an average fall of 3.29 inches, the normal fall being 3.21 inches. All other districts have received falls in defect, though except in the case of Chutia Nagpur, and to a smaller extent in South-West Bengal and South Behar, the defects have not been very large. East and North Bengal have received a general rainfall of between eight and eight and a half inches, and Orissa has received a fall of three and a half inches, and in all three cases the defects are less than 10 per cent. of the normal fall. In South-West Bengal there has been an average fall of 3.33 inches, which is equal to about 60 per cent. of the normal fall; while in South Behar the fall has averaged 1.42 inches, which is also nearly 60 per cent. of the usual fall. In Chutia Nagpur, however, the fall has only averaged a little more than an inch, and this is only 38 per cent. of the normal fall in May.

When the rainfall variations are charted, it is seen that there are three small districts where the falls have been in excess of the normal. First an area running in a north-easterly direction from East Bengal through North Bengal into North Behar, and comprising parts of the following districts—Tipperah, Mymensingh, Bogra, Dinagepore, Purneah, Bhagulpore, and Durbhunga; a second area comprising part of the Burdwan and Beerbhoom districts; and a third area comprising the Balasore and part of the Midnapore district. All the remainder of the province shows a defective rainfall, but it is only in parts of South and South-East Bengal, and in the districts close to the hills of North Bengal, that the defects exceed three inches.

The following table gives full data for the comparison of the actual and the normal rainfall of the month of May in all districts of the province. The figures are derived from the average and actual rainfall of the rain-recording stations in each district, due allowance or weight being made for the area which each station represents. This gives a more accurate average than the arithmetical means given in the weekly and monthly meteorological tables. The first column gives the normal or average district rainfall as determined from the rainfall observations of the past 15 years. The second column gives the actual district rainfall as determined from the weighted actual rainfalls of the month at the reporting stations in each district. The third column expresses the ratio of the actual district rainfall of the past month to the normal rainfall as a percentage. The fourth column gives the same information as the third column in a slightly different form. It states as a percentage how much the district rainfall of the month varied in excess or defect from the normal rainfall, and is hence the difference between the numbers in the third column and 100:—

DIVISION.	DISTRICT.	Normal district rainfall, May.	Actual district rainfall, May.	Percentage of actual to normal rainfall.	Percentage excess (+) deficit (-).
Orissa	Pooree ...	2.77	2.99	108	+8
	Cuttack ...	3.77	2.92	78	-22
	Balasore ...	4.95	5.60	113	+13
	Midnapore ...	5.10	4.56	89	-11
	24-Pergunnahs ...	5.60	2.65	47	-53
South-West Bengal	Howrah ...	5.65	4.06	72	-28
	Hooahly ...	5.25	3.32	63	-37
	Burdwan ...	5.04	3.11	62	-38
	Bankoora ...	3.80	2.97	78	-22
	Beerbhoom ...	3.27	2.48	76	-24
	Nuddea ...	6.48	4.85	75	-25
	Khoolna ...	6.29	0.87	14	-86
	Jessore ...	6.92	3.45	50	-50
	Moorshedabad ...	4.73	3.28	69	-31
	Chittagong ...	9.59	12.33	129	+29
East Bengal	Backergunge ...	7.43	2.49	34	-66
	Noakhally ...	9.65	7.26	76	-25
	Furreedpore ...	8.56	4.32	50	-50
	Dacca ...	8.65	4.71	54	-46
	Comilla ...	10.28	9.48	92	-8
	Mymensingh ...	10.30	16.70	163	+63
	Pubna ...	7.32	7.66	105	+5
	Bogra ...	8.29	10.15	122	+22
	Rajshahye ...	6.15	5.04	82	-18
	Maldah ...	4.34	3.41	79	-21
North Bengal	Dinapore ...	6.55	8.30	127	+27
	Rungpore ...	11.35	11.77	104	+4
	Cooch Behar ...	13.83	8.68	63	-37
	Jalpaiguri ...	11.48	5.08	44	-56
	Darjeeling ...	7.67	3.88	51	-49
	Purneah ...	5.49	5.92	108	+8
	North Bhagulpore ...	4.11	6.91	168	+68
	Durbhanga ...	2.71	3.16	117	+17
	Mozufferpore ...	2.37	1.56	66	-34
	Chumparun ...	2.57	2.45	95	-5
North Behar	Sarun ...	1.88	0.91	48	-52
	Shahabad ...	1.21	0.49	40	-60
	Gya ...	1.56	0.36	23	-77
	Patna ...	2.03	1.29	64	-36
	Monghyr ...	2.17	1.82	84	-16
	South Bhagulpore ...	2.61	2.47	95	-5
	Sonthal Pergunnahs ...	3.81	2.27	60	-40
	Hazaribagh ...	2.00	0.65	33	-67
	Lohardugga ...	2.28	0.83	36	-64
	Singbhoom ...	3.82	2.40	63	-37
Chutia Nagpur	Manbhoom ...	2.61	2.05	79	-21

The following table gives the summary of the temperature and rainfall data of each of the seven Meteorological divisions of the Province for the month of May 1888:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.						
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa.	114.4	66.8	94.2	80.7	87.5	+1.3	8.60	8.01	-0.59	4.8	7.1	-2.3	8.39	8.16
South-West Bengal.	111.0	67.8	97.6	78.2	87.8	+0.9	8.38	5.41	-2.97	8.2	9.0	-0.8	8.28	8.78
East Bengal.	99.0	68.1	89.5	76.0	82.8	+0.6	8.88	9.26	-0.38	10.6	15.3	-4.7	6.81	4.35
North Bengal.	103.1	68.7	90.7	72.7	81.7	-1.3	8.40	8.85	-0.45	12.0	11.3	+0.7	7.00	8.22
North Behar.	102.8	64.8	83.8	74.6	84.3	-1.5	8.39	8.21	+0.18	4.6	5.0	-0.4	8.10	1.02
South Behar.	113.5	66.0	102.1	77.2	89.7	+1.1	1.42	2.41	-0.99	3.7	4.2	-0.5	1.25	1.69
Chutia Nagpur.	107.0	66.7	101.6	75.7	88.6	+3.0	1.10	2.55	-1.45	4.1	6.1	-2.0	0.96	1.84
Assam.	95.6	63.4	85.3	71.9	78.6	-0.9	...	...	...	...	...	...	...	...

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL,
The 11th June 1888.

ALEXANDER PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal

Results of the Meteorological Observations taken at the Alipore Observatory from 3rd to 9th June 1888.

Month.	Date.	Morning in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1888.				Inches.						Inches.		%			Inches.	
June	3rd	149.5	8.9	29.562	84.0	93.6	20.7	72.9	78.9	0.925	76.9	80	SSE, SW and variable.	122	0.88	Chiefly cloudy, o, g, p, t, <.
"	4th	151.3	9.5	.537	85.2	95.4	17.7	77.7	80.2	.967	78.2	80	SE by S and variable	86	Nil	Chiefly cloudy, o.
"	5th	149.5	2.8	.529	86.0	92.4	13.9	78.5	80.3	.900	78.0	77	SSW and SW	131	.....	Chiefly cloudy.
"	6th	145.3	0.3	.557	83.5	92.0	18.5	73.5	78.9	.929	77.0	81	SSE and variable	138	0.69	Cloudy, o, g, d, p.
"	7th	148.9	5.7	.564	86.5	94.1	18.4	75.7	80.6	.967	78.2	77	SSW and SSE	127	Nil	Chiefly cloudy.
"	8th	152.7	9.2	.584	86.4	93.9	13.0	80.9	80.7	.977	78.5	78	SSE, S and variable	128	Not measurable.	Chiefly cloudy, o, d, t, <.
"	9th	139.3	1.0	.555	85.3	91.8	14.3	77.5	79.9	.951	77.7	79	N by E and variable	62	Nil	Chiefly cloudy.

The mean pressure of the seven days 20.555
The average pressure of the corresponding period for 24 years, S. G.'s Office ... 29.577

The total number of hours of bright sunshine 37.4
The maximum possible number of hours of sunshine 93.9

The mean temperature of the seven days 85.3
The average temperature of the corresponding period for 24 years, S. G.'s Office ... 86.1
The extreme variation of temperature 22.5
The maximum temperature 95.4

The highest velocity of the wind in one hour 15
The highest pressure of wind on one square foot 8

The mean relative humidity 79
The average relative humidity of the corresponding period for 24 years, S. G.'s Office ... 78

The total fall of rain from 3rd to 9th June 1888 1.57
The average fall of the corresponding period for 24 years, S. G.'s Office ... 2.35
The total fall from 1st January to 9th June 1888 14.73
The average fall of the corresponding period for 24 years, S. G.'s Office ... 12.34

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.
The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, p passing temporary showers, t thunder, d drizzling rain, < lightning.

A. PEDLER,

For Offg. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;

Calcutta, the 11th June 1888.

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.													
			AIR PRESSURE.			WIND.		TEMPERATURE.								
			Mean barometric height, 16 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M.
ORIGINAL.	Pooree	Pooree	29'625	29'637	—	Calm & S.W.	133'0	91'7	5th & 6th June	77'1	2nd June	90'2	81'3	85'8	—	84
	Pooree	Gopalpore	29'580	29'640	0	Southerly	815'0	91'2	7th "	79'8	2nd "	89'0	82'0	85'3	+0'3	87
	Pooree	False Point	29'610	29'640	—'043	S	250'0	92'5	7th "	76'1	2nd "	91'1	80'7	85'9	—1'1	82
	Cuttack	Cuttack	29'559	29'630	—'024	SW	120'0	108'4	5th "	76'3	2nd "	103'0	81'4	92'2	+1'9	83
	Balasore	Balasore	29'572	29'630	+0'13	SW	204'6	95'4	5th "	71'8	5th & 7th June	93'4	75'7	84'5	—2'2	86
	South-West Midnapore	Saugor Island	29'608	29'634	—'040	Southerly	360'0	93'2	5th "	76'5	3rd "	92'1	80'8	86'5	—0'1	85
	South 24-Pergunnahs	Midnapore	29'493	29'642	0	S	118'3	101'3	5th "	72'7	6th "	98'9	78'2	87'0	—2'3	80
	24-Pergunnahs	Howrah	29'608	29'629	—'012	SSW	117'0	95'5	5th "	72'7	3rd "	93'6	77'0	85'3	—0'2	87
	Burdwan	Burdwan	29'526	29'623	—'030	Southerly	84'5	99'7	7th "	75'4	7th & 8th June	98'2	77'3	87'7	+0'4	89
	Bankoora	Bankoora	29'309	—	—	Southerly	102'0	102'1	6th "	70'6	3rd "	98'1	75'1	86'0	—	89
SOUTH-WEST BENGAL.	Beerbhoom	Raneegunge	29'292	29'596	—'018	South-easterly.	87'8	103'5	6th "	73'9	7th "	93'9	77'4	85'2	—1'8	85
	West Burdwan	Borhampore	29'567	29'634	—'019	Variable	83'7	96'8	6th "	73'3	3rd "	93'1	75'4	84'3	—3'9	87
	Moorsheadabad	Krishnagur	29'652	29'617	—	Variable	92'7	96'3	2nd & 3rd June	73'8	3rd & 7th June	95'1	75'8	85'4	—1'6	87
	Nuddea	Jessore	29'611	29'644	—'027	S	231'4	97'3	5th & 6th June	78'4	6th "	94'6	77'0	85'8	+0'4	88
	Jessore	Chittagong	29'611	29'700	—'029	SE	75'0	100'7	7th "	73'0	2nd "	91'0	76'6	84'1	+2'1	85
	Chittagong Hill Tracts	Demagiri	Observations not received.													
	Backergunge	Barrisal	29'642	29'634	—'033	Southerly	62'8	95'3	5 "	74'9	7th "	91'7	77'3	84'5	+2'7	86
	Noakholly	Noakholly	29'640	29'684	—	SSE	—	89'3	5th "	76'3	2nd "	86'3	79'4	82'9	—	—
	Farredpore	Farredpore	29'631	29'671	+0'09	SSE	79'0	91'5	5th, 6th & 8th June	73'9	6th "	90'4	78'3	85'4	+1'6	86
	Dacca	Dacca	29'639	29'661	—'015	Calm & SE	82'0	93'9	5th "	72'6	6th "	90'4	79'7	83'6	—0'1	83
EAST BENGAL.	Commillah	Commillah	29'638	29'673	+0'07	S	92'6	93'3	5th "	73'8	2nd & 6th June	89'8	76'4	83'1	+1'1	84
	Mymensingh	Mymensingh	29'615	29'673	—'002	Calm	105'4	90'3	5th "	72'6	8th "	87'9	77'0	82'5	+1'3	84
	Bogra	Bogra	29'567	29'630	—'027	Calm	78'6	92'8	5th "	72'3	3rd "	85'7	75'6	82'7	—1'7	83
	Pahna	Serajunge	29'609	29'646	—'015	SE	68'1	92'1	8th "	71'7	2nd "	89'7	75'2	82'5	—0'2	84
	Rajshahye	Rampore Beaulah.	29'572	29'641	+0'21	SE	39'6	94'3	5th & 6th June	67'7	5th "	90'9	70'0	80'4	—3'1	80
	Maldah	Maldah	29'510	—	—	SE	104'2	99'5	6th "	73'4	3rd "	97'7	76'0	86'9	—	90
	Dinapore	Dinapore	?	?	?	Easterly	87'0	92'0	6th "	72'6	5th "	88'9	74'9	81'9	—2'2	82
	Rungpore	Rungpore	29'550	29'676	—'011	Easterly	119'0	91'8	6th "	71'7	7th "	80'6	75'4	82'5	+0'6	83
	Julpigoree	Julpigoree	29'390	29'678	—'010	Easterly	97'0	89'0	4th & 5th June	71'8	2nd, 3rd & 7th June	87'4	78'1	80'3	—0'9	84
	Cooch Behar	Darjeeling Hill Tracts	22'905	—	—'038	Variable	128'0	66'1	6th "	62'6	2nd & 3rd June	64'0	63'7	63'9	+0'1	64
NORTH BENGAL.	Parneah	Parneah	29'528	29'654	—'010	Calm	35'1	93'2	6th "	70'6	8th "	89'8	73'1	81'5	—4'8	85
	North Bhagulpore	Mozufferpore	Observations not received.													
	Mozufferpore	Durbhunga	29'474	29'641	+0'13	ESE, ENE, SE	112'0	93'4	7th "	73'4	4th "	90'7	77'7	84'2	—2'1	83
	Durbhunga	Motihari	29'402	29'629	+0'13	SE	109'3	98'3	2nd "	70'8	4th "	94'7	74'9	86'8	—2'5	85
	Chumpran	Ohupra	29'423	29'616	+0'01	Easterly	104'0	98'0	5th "	71'5	4th "	90'0	77'3	83'7	—0'9	82
	Sarun	Dehree	29'246	29'591	+0'07	Variable	161'0	108'4	6th "	75'5	2nd "	101'8	83'1	91'9	+1'7	86
	Shahabad	Buxar	29'302	29'600	+0'03	NE	128'6	102'4	6th & 7th June	75'8	2nd "	97'1	79'9	88'5	—3'1	81
	Arrah	Arrah	29'428	29'617	+0'19	Variable	83'1	163'4	6th "	75'6	2nd & 4th June	98'7	78'4	87'6	—2'5	87
	Gya	Gya	29'226	29'595	—'023	WSW	190'8	107'1	6th "	74'3	2nd, 5th & 7th June	101'6	75'5	86'0	—3'8	86
	Patna	Bankipore	29'438	29'618	—'005	ESE	68'8	102'0	6th "	75'2	2nd "	96'4	76'3	86'4	—4'1	87
SOUTH BENGAL.	South Bhagulpore	Bhagulpore	29'468	29'630	+0'16	ESE	63'0	94'4	6th & 8th June	74'0	5th "	91'3	76'7	84'0	—1'9	86
	Monghyr	Deonka	29'121	—	—	SE	77'0	99'2	6th "	75'3	8th "	98'0	76'2	86'6	—	—
	Southal Pergunnahs	Hazaribagh	27'645	29'596	+0'01	NW	229'6	102'0	6th "	78'6	8th "	95'4	78'1	87'3	+0'9	87
	Hazaribagh	Ranchee	27'527	29'492	—'005	Calm	182'4	99'0	6th & 7th June	71'4	2nd "	76'4	74'9	85'7	—1'7	87
	Manbhoom	Chyubassa	28'846	—	—	Variable	87'0	103'9	6th "	78'6	8th "	100'7	79'9	89'3	—	—
	Singhpoom	Mibagar	29'364	29'607	—'039	NE	54'0	98'0	5th "	78'5	3rd "	89'3	74'5	86'4	—0'7	87
	...	Dhubri	29'555	29'672	—'005	Calm	123'9	99'8	6th "	71'8	6th "	87'6	73'9	80'0	—0'7	87
	...	Silchar	29'591	29'701	—'055	Calm	81'0	92'5	6th "	70'3	6th "	88'5	74'3	81'4	—1'1	87

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or mean of the readings during the year. The humidity of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and a cloudy sky by 100. The numerical means or average of the rainfall in that district determined from the records sent in by the sub-divisional stations and the stations in the district sending in returns divided by the number of stations. A rain gauge is not shown.

for the week ending Friday, the 8th of June 1888.

DISTRICT OBSERVATIONS.															Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	OF WEEK.		RAINFALL.												
			Mean for district.	Normal mean.	Since 1st of month.			Since May 15th.			Average number of rainy days.	Normal number of rainy days.					
					Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.							
85	4.7	0.28	0.33	1.11	0.47	1.20	-0.73	2.20	2.02	-0.72	2.0	1.7	Poorce ...	Poorce ...	ORISSA.		
77	2.3	1.14	—	—	—	—	—	—	—	—	—	—	Gopalpore ...	Poorce ...			
73	5.1	0.26	—	—	—	—	—	—	—	—	—	—	False Point ...	—			
54	3.9	0.32	0.40	1.13	0.58	1.24	-0.66	2.85	3.36	-0.51	2.5	1.8	Cuttack ...	Cuttack ...			
80	4.1	0.65	1.11	1.38	1.16	1.57	-0.41	6.37	4.17	+2.20	2.8	1.9	Balasore ...	Balasore ...	SOUTH-WEST BENGAL.		
26	7.6	0.67	0.45	1.80	0.45	1.97	-1.52	3.42	4.23	-0.81	1.7	2.3	Saugor Island ...	South-West Midnapore ...			
63	0.9	1.01	2.04	2.00	2.04	2.21	-0.17	4.78	4.27	+0.51	3.0	2.3	Midnapore ...	South 24-Pargunnahs ...			
75	6.1	2.16	3.28	2.14	3.26	2.48	+0.78	6.63	5.12	+1.51	3.2	2.8	Calcutta ...	24-Pargunnahs ...			
69	3.7	0.91	3.42	1.91	3.42	2.17	+1.25	5.03	4.79	+0.24	4.0	2.4	Burdwan ...	Howrah ...	SOUTH-WEST BENGAL.		
65	2.9	2.78	1.89	1.98	1.89	2.12	-0.23	4.37	4.14	+0.23	3.5	2.2	Bankoora ...	Burdwan ...			
66	1.9	0.94	1.51	1.55	1.51	1.71	-0.20	3.25	3.69	-0.44	3.8	2.3	Raneegunge ...	Hooghly ...			
81	7.4	1.63	2.53	1.64	2.93	1.93	+1.00	4.93	5.04	-0.11	4.0	2.5	Berhampore ...	Burdwan ...			
73	5.0	3.07	2.19	2.32	2.34	2.73	-0.49	4.17	6.23	-2.06	4.2	2.8	Krishnagur ...	West Burdwan ...	SOUTH-WEST BENGAL.		
76	7.3	3.28	2.91	2.67	3.21	3.01	+0.20	4.31	6.29	-1.98	4.0	3.2	Jessore ...	Moorsheadabad ...			
79	7.0	1.30	1.03	0.07	1.18	0.61	-5.43	10.05	11.89	-1.24	2.0	4.5	Chittagong ...	Nuddea ...			
78	8.0	0.56	2.15	4.43	2.40	4.92	-2.32	3.85	8.81	-4.96	3.0	4.0	Demagiri ...	Jessore ...			
—	7.1	2.68	2.40	6.07	3.11	6.72	-3.31	8.43	11.47	-3.04	4.0	4.3	Harrissal ...	Khoolna ...	SOUTH-WEST BENGAL.		
79	3.9	1.41	1.72	2.89	1.72	3.32	-1.00	4.61	7.05	-3.04	3.5	3.3	Furzedpore ...	Chittagong ...			
81	7.3	0.90	1.81	2.65	1.99	3.01	-1.02	6.25	6.95	-0.70	3.5	3.7	Dacca ...	Chittagong Hill Tracts ...			
79	4.3	0.80	1.73	3.73	3.51	4.12	-0.61	10.74	8.44	+2.30	2.3	4.1	Commillah ...	Rackergunge ...			
73	5.9	1.10	0.07	3.40	2.18	4.26	-2.08	15.77	8.81	+6.96	1.8	3.5	Mymensingh ...	Noakholly ...	SOUTH-WEST BENGAL.		
76	4.1	1.33	1.10	2.60	1.97	3.56	-1.59	11.07	8.00	+3.07	2.5	2.9	Bogra ...	Noakholly ...			
80	4.9	2.35	2.21	2.63	2.56	3.25	-0.69	9.03	7.06	+1.97	3.0	3.0	Sonajunge ...	Furzedpore ...			
76	3.0	1.96	0.90	2.27	1.35	2.45	-1.10	4.21	5.80	-1.59	2.5	2.7	Rampore Beaulah ...	Dacca ...			
63	3.0	0.50	0.50	1.63	0.74	1.73	-0.99	3.20	4.55	-1.35	2.0	2.5	Maldah ...	Commillah ...	SOUTH-WEST BENGAL.		
81	5.7	6.87	2.05	2.35	2.10	2.68	-0.58	9.71	6.96	+2.75	2.4	2.4	Dinapore ...	Mymensingh ...			
78	3.3	2.74	3.21	3.92	3.22	4.56	-1.34	12.54	11.96	+0.58	4.0	3.4	Rangpore ...	Maldah ...			
58	2.9	8.46	0.17	5.36	0.17	6.00	+0.17	12.68	15.11	-2.46	4.0	4.4	Julpigoree ...	Dinapore ...			
33	6.9	2.09	3.38	3.12	3.74	3.78	+0.01	8.52	10.73	-2.21	6.0	4.5	Darjeeling ...	Rangpore ...	SOUTH-WEST BENGAL.		
77	5.9	1.19	2.08	1.31	2.22	1.38	+0.84	7.89	4.49	+3.40	2.4	1.6	Purneah ...	Julpigoree ...			
10	4.5	1.20	0.65	0.77	2.61	0.77	+1.72	3.60	1.97	+1.63	2.3	0.9	Mozufferpore ...	Cooch Behar ...			
3	5.4	1.40	1.01	0.70	1.08	0.96	+0.12	3.62	2.31	+1.31	2.0	1.2	Motihari ...	Purneah ...			
4	1.4	0.29	0.79	0.49	1.05	0.49	+0.56	1.97	1.59	+0.38	1.3	0.8	Chupra ...	North Bhagulpore ...	SOUTH-WEST BENGAL.		
3	2.0	0.44	0.08	0.21	0.39	0.24	+0.15	0.95	1.16	-0.21	0.6	0.6	Buxar ...	Mozufferpore ...			
3	1.4	0.04	—	—	—	—	—	—	—	—	—	—	Arrah ...	Champuram ...			
1	5.8	0.13	0.13	0.23	0.23	0.59	-0.16	0.61	1.76	-0.15	0.8	0.6	Gya ...	Saran ...			
1	4.7	0.58	0.49	0.55	0.67	0.40	+0.27	0.77	1.83	-0.06	1.7	1.0	Bankipore ...	Shahabad ...	SOUTH-WEST BENGAL.		
1	1.6	2.11	1.08	0.68	1.40	0.76	+0.64	3.32	2.38	+0.94	2.6	1.3	Bhagulpore ...	Gya ...			
11	1.31	1.50	1.27	1.59	1.36	+0.23	3.46	3.80	-0.34	2.8	2.1	Doomka ...	Patna ...				
39	0.23	0.25	0.26	0.26	0.90	-0.64	0.56	2.17	-2.01	0.6	1.6	Hazaribagh ...	South Bhagulpore ...				
37	0.04	0.34	0.35	0.41	0.64	-0.23	1.43	2.64	-1.23	1.3	1.6	Ranchi ...	Monohyr ...	SOUTH-WEST BENGAL.			
17	1.39	1.40	0.60	1.40	1.05	+0.44	3.56	3.62	-0.06	5.0	2.6	Chyebassa ...	Hazaribagh ...				
85	4.05	—	—	—	—	—	—	—	—	—	—	—	Sibsagar ...		Lohardugga ...		
89	4.05	—	—	—	—	—	—	—	—	—	—	—	Dhubri ...		Manbhoom ...		
85	4.05	—	—	—	—	—	—	—	—	—	—	—	Silchar ...	Slughboom ...			

When the district observations are less than the corresponding normal mean, and positive when greater. Under the head District observations of rainfall the normal mean is given in parentheses. The actual amount of the rainfall received in the district, i.e., from total stations at the district.

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 8th of June 1888.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL		Total rain- fall since 1st of month.	Average total rain- fall from 1st of month.	Total rain- fall since 15th May.	Average rainfall from 15th May to date.
			Saturday, 2nd June.	Sunday, 3rd June.	Monday, 4th June.	Tuesday, 5th June.	Wednesday, 6th June.	Thursday, 7th June.	Friday, 8th June.	Number of rainy days.	of Rainfall week.				
ORISSA.	Poores	Poores	0.08	0.06	0.13	2	0.21	0.31	1.05	4.37	2.63
		Khurdah	0.06	0.20	2	0.26	0.58	1.12	1.91	2.23
		Bampur	0.50	0.20	2	0.34	0.34	1.10	1.39	2.43
		False Point	0.14	0.20	2	0.34	0.34	1.10	1.39	2.43
		Gop	2	0.34	0.34	1.10	1.39	2.43
		Pipli	2	0.34	0.34	1.10	1.39	2.43
	Cuttack	Jagatsingapore	0.06	0.09	0.05	0.08	0.20	5	0.47	1.18	0.51	2.00	1.03
		Banki	0.10	5	0.47	1.18	1.19	2.00	2.00
		Cuttack	0.10	5	0.47	1.18	1.33	2.00	4.14
		Kendrapara	0.06	0.03	0.08	0.05	4	0.52	0.53	1.02	3.83	3.54
		Jajpore	0.38	1	0.38	0.38	1.66	3.36	4.19
Balasore	Dharmasalla	.....	.....	.....	.....	.....	.....	.....	1	0.38	0.38	1.66	3.36	4.19
	Salipore	.....	.....	.....	.....	.....	.....	.....	1	0.38	0.38	1.66	3.36	4.19
	Chandbali	.....	.....	0.05	.....	.....	0.05	.....	2	0.10	0.20	1.20	3.10	3.47
	Bhuddruck	0.04	.....	.....	.....	0.14	.....	.....	2	0.18	0.18	1.70	5.41	4.76
	Sorah	.....	0.85	0.45	.....	.....	1.72	.....	3	3.02	3.02	1.17	7.71	4.34
	Balasore	.....	0.19	.....	0.25	.....	0.10	0.00	4	0.63	0.81	1.32	6.12	3.93
SOUTH-WEST BENGAL.	Midnapore	Jellapore	.....	.....	0.20	1.00	.....	.....	2	1.20	1.20	1.81	8.46	4.62
		Baripodah	0.24	0.08	0.56	0.05	4	1.53	1.53	2.25	7.33	3.98
		Contai	0.05	2	0.05	0.05	2.00	4.18	4.18
		Saugor Island	0.23	0.43	2	0.66	0.66	2.05	4.44	4.50
		Tumlook	1.70	0.70	2	2.40	2.40	1.88	5.36	4.27
		Midnapore	0.39	0.85	2	1.15	1.15	2.06	3.65	4.04
	24-Pergunnahs.	Ghuttai	1.15	0.58	0.09	0.61	5	2.54	2.58	2.68	3.90	4.04
		Kukrahaty	0.92	0.78	0.23	3	1.93	1.93	2.42	3.25	3.25
		Haria	0.12	1	0.12	0.12	2.57	2.57	2.57
		Bhagwanpore	0.35	0.80	1	1.24	1.24	6.32	6.32	6.32
		Garbeta	0.18	0.48	2.66	3	2.72	2.72	4.02	4.02	4.02
Diamond Har- bour		.....	.....	.....	0.40	0.25	.....	.....	2	0.65	0.65	1.78	2.84	3.01
Howrah	Canning Town	.....	0.34	.....	0.70	.....	.....	.....	2	1.04	1.04	3.15	3.15	3.15
	Alipore Jail	.....	0.54	1.08	.....	0.82	0.04	.....	4	2.21	2.21	2.56	5.72	4.96
	Barrackpore	0.10	0.21	.....	.....	2.65	.....	.....	3	2.99	2.99	3.05	6.77	5.24
	Dum-Dum	.....	0.14	.....	.....	0.79	.....	.....	2	0.93	0.93	2.29	6.20	5.14
	Haraset	.....	0.39	0.22	.....	2.28	.....	0.80	4	3.69	3.69	2.51	6.05	5.29
	Buseerhat	0.00	0.43	0.35	.....	4.79	.....	.....	4	5.68	5.68	4.79	7.40	6.62
	Howrah	.....	1.03	.....	.....	0.55	.....	.....	2	1.58	1.58	2.04	6.39	4.23
	Moherreka (Ootoberiah.)	.....	0.22	0.06	.....	0.69	.....	.....	3	0.97	0.97	2.58	4.23	5.14
	Hooghly	Serampore	0.50	2.59	2	2.89	2.89	2.84	6.74	4.94
		Hooghly	1.70	1.15	2.80	0.02	3.30	5	8.97	8.97	2.14	17.79	4.40
		Jehanabad	1.50	1.05	0.15	3	2.70	2.70	2.05	5.36	4.61
Culina		0.75	1.10	0.38	.....	0.41	0.47	.....	5	3.11	3.11	2.14	4.26	4.36
Burdwan		.....	0.63	.....	.....	0.45	0.43	0.01	4	1.82	1.82	1.44	3.66	4.23
Cutwa		.....	.....	.....	.....	1.20	0.08	4.05	3	5.33	5.33	2.04	7.03	5.77
Bankoora	Bansegunge	0.48	0.11	0.11	.....	0.20	0.06	.....	5	0.95	0.95	1.16	1.94	3.15
	Mankur	.....	0.10	.....	.....	0.65	.....	.....	2	0.75	0.75	2.20	2.20	2.20
	Bankoora	1.07	.....	.....	.....	0.05	0.70	.....	3	2.72	2.72	2.10	5.18	4.44
	Hishenpore	.....	0.08	.....	.....	0.18	0.14	0.03	4	0.43	0.43	2.42	2.19	4.62
	Malara	.....	0.05	0.09	.....	.....	0.85	0.69	4	2.28	2.28	1.98	4.51	3.78
	Khatra	0.34	.....	.....	.....	1.07	.....	0.75	3	2.13	2.13	1.00	3.88	3.88
	Indas	0.36	.....	.....	.....	0.28	0.23	2.12	4	3.01	3.01	2.51	4.99	4.99
	Kotalpore	.....	0.13	.....	.....	0.06	0.23	1.87	3	2.06	2.06	2.06	4.99	4.99
	Anda	0.04	0.03	.....	0.03	0.30	.....	.....	4	0.42	0.42	2.42	2.42	2.42
	Gangajalhati	.....	.....	.....	.....	0.40	.....	1.83	2	2.23	2.23	2.23	3.73	3.73
	Kotipore	.....	.....	.....	0.15	0.45	.....	0.45	3	1.05	1.05	2.58	2.58	2.58
Sonamukhi	.....	.....	.....	.....	.....	.....	.....	3	1.05	1.05	2.58	2.58	2.58	
Beerbhoom	Rh. Soory	.....	0.04	0.42	.....	0.72	.....	0.02	4	1.20	1.20	1.82	2.82	3.53
	Hutampore	.....	.....	.....	.....	1.81	.....	0.50	3	2.69	2.69	1.80	3.35	3.98
	Bampore Haul	.....	.....	0.38	.....	1.76	.....	.....	2	2.51	2.51	2.51	3.79	3.79
	Botpore	.....	0.75	.....	.....	.....	.....	.....	2	2.51	2.51	2.51	3.79	3.79
	Nuddea	Banaghat	0.05	0.60	0.09	1.22	0.28	0.11	6	2.03	2.03	2.61	4.26	5.45
		Kishnagar	1.04	0.23	0.77	0.19	4	3.18	3.18	2.57	4.03	5.27
Chooadanga		.....	0.15	.....	.....	1.00	0.10	.....	5	1.75	1.75	2.61	4.13	7.08
Meherpore		0.48	.....	0.13	.....	1.00	0.11	0.10	5	2.72	2.72	2.68	6.59	5.89
Kooshtea		.....	.....	0.11	.....	.....	0.21	0.10	3	0.42	0.42	3.43	2.03	7.66
Khoolna	Satkhira	0.40	0.02	0.50	0.16	1.10	0.09	0.03	7	2.80	2.82	2.79	3.62	5.46	
	Bagirhat	.....	0.08	.....	0.20	2.10	.....	.....	3	2.34	2.34	2.53	3.98	5.46
	Khoolna	0.80	0.10	0.21	.....	1.26	.....	.....	4	2.45	2.45	2.64	3.98	5.46
	Joasore	Narail	0.04	0.32	0.38	3	0.74	1.07	2.02	3.31	3.31
		Joasore	1.25	0.80	1.17	0.11	4	3.35	3.37	2.17	4.31	6.06
		Jhenidah	0.14	1.81	0.09	2.12	4	4.16	4.16	3.06	5.48	7.13
Magoorah		0.55	.....	.....	.....	0.13	.....	4.17	3	3.85	3.85	2.88	5.53	7.38
Bongong		0.40	.....	0.10	.....	0.95	.....	1.60	4	3.05	3.05	2.58	5.24	5.24
Moorshedabad	Kandi	0.01	0.05	0.41	1.01	1.19	.....	.....	5	3.27	4.17	2.00	5.28	4.79
	Berhampore	.....	.....	0.59	.....	0.60	0.28	0.07	4	1.64	1.64	2.04	3.28	4.79
	Lalbagh	.....	.....	0.45	.....	0.51	0.41	0.32	4	1.72	1.72	2.16	4.47	5.24
	Asimgunge	0.18	.....	0.50	.....	1.05	.....	1.50	4	3.51	3.51	2.00	5.40	5.24
	Asimgunge	0.09	.....	0.50	.....	1.18	.....	0.73	4	2.50	2.50	1.46	5.36	4.79
	Lalgola	.....	.....	0.40	.....	0.84	.....	1.40	3	2.61	2.61	1.91	5.16	5.24
	Akraganj	.....	.....	0.62	.....	1.73	.....	0.97	3	3.32	3.32	2.73	5.63	5.24
	Patkabari	1.12	.....	.....	0.60	0.15	.....	1.00	4	2.87	2.87	2.73	5.63	5.24
	Chittagong	Cor's Bazar	0.02	0.85	2	0.87	0.77	2.32	10.23	10.23
		Chittagong	0.22	0.85	0.28	0.53	2	1.85	1.69	2.90	11.07	10.23
		Kutubdia	0.21	2	0.21	0.21	2.90	11.07	10.23
Satkhira		.....	.....	0.84	.....	.....	.....	.....	2	0.84	0.84	2.90	11.07	10.23
Chittagong Hill Tracts.		Rangamati	0.10	0.11	0.42	0.05	0.50	0.31	6	1.59	1.59	2.91	7.29	5.63
Backlungo	Ke na	.....	.....	.....	.....	.....	.....	.....	6	1.59	1.59	2.91	7.29	5.63
	Patnakhilly	0.42	.....	.....	0.25	2.13	.....	0.30	4	3.00	3.00	2.71	5.29	5.29
	Persepore	0.15	.....	.....	0.71	2.55	.....	.....	3	3.71	3.71	2.07	5.00	5.29
	Burrial	0.06	.....	.....	0.31	0.69	0.01	0.10	5	0.97	0.97	2.91	5.29	5.29
	Bhole	.....	.....	.....	0.35	0.35	.....	.....	2	1.22	1.22	2.91	5.29	5.29

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 8th of June 1888—contd.

Meteorological Division.	District.	Station.	RAINFALL.								TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May.	Average rainfall from 15th May to date.	
			Saturday, 2nd June.	Sunday, 3rd June.	Monday, 4th June.	Tuesday, 5th June.	Wednesday, 6th June.	Thursday, 7th June.	Friday, 8th June.	Number of rainy days.	Rainfall of week.						
N. BENGAL—contd.	Noakholly	Gournaddi	0.51	0.30	0.9	0.15	3	1.70	1.10	?	5.17	?	?	
		Baughal	0.23	0.20	1.30	5	3.02	3.05	?	4.10	?	?	
		Noakholly	0.20	0.50	1.32	3	2.12	2.12	0.31	8.87	10.99	?	
		Harishpore	0.17	1.93	0.2	0.55	4	2.55	2.55	7.13	7.90	11.94	?	
	Furzedpore	Kamganj	0.35	0.52	0.01	3	1.28	1.50	?	4.73	?	?	
		Madairpore	3.51	7.77	?	?	
	Dacca	Furzedpore	0.07	0.20	0.31	0.75	4	1.33	1.33	3.57	4.12	8.58	?	
		Goalundo	0.25	1.00	0.86	5	2.11	2.11	2.89	5.73	6.61	?	
	Hill Tipperah	Munshingunge	0.50	0.30	0.40	1.25	4	2.75	3.04	3.85	5.88	8.36	?
		Dacca	1.52	0.03	1.00	0.53	2	1.53	1.47	3.36	5.48	7.59	?	
		Narainkunge	0.10	0.29	0.51	0.02	4	0.91	0.57	2.73	5.57	6.74	?	
		Joydebpore	0.00	0.01	0.00	0.00	4	1.87	3.00	12.28	?	?	?	
	Mymensingh	Agartala	0.80	1.26	2	2.06	3.96	3.29	10.30	7.75	?	
		Comilla	0.25	0.44	3	0.69	1.53	4.79	7.82	9.81	?	
		Chandpore	1.30	0.10	1.00	3	2.40	4.20	4.05	8.05	8.30	?	
		Ramchandrapore.	0.12	0.20	0.25	1.18	4	1.75	4.31	3.63	15.10	8.51	?	
	Pubna	Nasirungar	0.04	0.50	0.30	1.22	0.40	5	2.56	3.11	?	10.35	?	?	
		Daukandi	0.09	0.50	0.13	0.42	4	1.14	1.99	?	4.07	?	?	
		Kasha	0.38	0.54	3	0.80	3.21	?	10.28	?	?	
		Laksham	0.30	0.21	0.05	3	0.58	0.70	?	5.21	?	?	
	Bogra	Kishor chun	0.08	1.10	0.15	3	1.33	4.95	4.63	25.70	9.49	?	
		Atia (Langail)	Nil	Nil	0.53	3.23	4.50	6.87	?	
		Mymensingh	0.05	1.22	2	1.27	2.50	5.32	20.38	11.25	?	
		Jamainore	0.12	0.38	3	1.10	1.54	3.72	14.76	7.94	?	
Maldah	Natorkona	.....	.....	0.27	.....	.....	0.31	0.70	3	1.31	1.43	4.37	17.42	10.64	?
	Subornakhaty	.....	.....	0.07	.....	.....	0.45	.....	2	0.52	5.34	?	10.64	?	?
	Durgapore	.....	.....	.....	1.00	.....	1.50	.....	2	2.30	2.30	?	18.7	?	?
	Deuaganj	0.10	.....	.....	.....	0.30	.....	1.10	3	1.80	1.80	?	14.31	?	?
Rajshahy	Pubna	.....	0.04	.....	.....	.....	1.07	.....	3	2.03	2.32	3.24	4.83	6.98	?
	Seraikunge	.....	.....	1.04	0.04	.....	0.42	.....	3	2.39	2.79	3.25	13.23	7.30	?
	Sherpore	0.17	.....	0.05	.....	.....	.....	0.81	3	1.03	1.54	3.22	8.46	7.75	?
	Nowkhila	0.05	.....	0.08	.....	.....	.....	0.77	2	1.07	3.59	3.84	13.20	7.09	?
Maidah	Panchbibi	0.50	.....	.....	.....	.....	.....	0.78	3	1.81	2.06	3.82	11.60	8.08	?
	Beaulah	.....	0.05	0.37	.....	.....	0.90	0.23	4	1.55	1.98	2.73	3.49	5.84	?
	Natore	.....	.....	.....	.....	0.25	.....	0.25	1	0.25	0.71	2.10	4.91	5.73	?
	Naogaon	.....	.....	0.66	.....	.....	.....	0.53	2	1.10	1.10	?	4.51	?	?
Dinagopore	Lalpur	.....	.....	0.15	0.36	0.59	0.57	.....	4	0.97	1.91	?	4.57	?	?
	Manda	.....	.....	.....	.....	.....	0.70	.....	1	0.70	0.70	?	4.04	?	?
	Maldah	.....	.....	.....	.....	0.12	.....	0.88	2	0.50	0.50	1.00	1.75	4.17	?
	Chanchal	0.04	.....	.....	.....	.....	0.04	.....	2	0.68	0.68	1.79	4.05	4.92	?
Rungpore	Gajal	.....	.....	0.03	.....	.....	0.50	.....	2	1.20	1.20	?	4.39	?	?
	Sibganj	0.19	.....	0.03	.....	0.05	.....	0.70	4	1.14	1.14	?	3.64	?	?
	Mohadebpore	.....	.....	.....	.....	.....	.....	0.07	1	0.07	0.07	3.89	5.53	8.08	?
	Churamon	1.88	.....	.....	.....	.....	.....	0.17	2	2.05	2.05	2.41	6.11	6.77	?
Cooch Behar	Kaigunge	0.82	.....	.....	.....	.....	.....	4.12	3	4.94	4.94	2.21	11.54	6.97	?
	Dinagopore	0.44	0.05	1.18	.....	.....	.....	1.18	4	1.85	1.85	2.54	10.67	7.54	?
	Baloorhat	1.05	.....	.....	.....	.....	0.08	0.23	3	1.36	1.03	2.50	10.83	7.43	?
	Bhawani	1.36	.....	.....	.....	0.10	.....	.....	2	1.46	1.46	4.14	11.73	9.09	?
Jalpigoree	(Gyabanda)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	?
	Runkpore	0.24	0.02	0.01	.....	1.75	.....	1.11	5	3.13	3.15	4.39	15.10	11.3	?
	Kurigram	.....	0.58	.....	.....	3.40	0.54	0.74	4	5.27	5.27	6.00	12.93	4.594	?
	Bagdogra	0.15	.....	0.20	.....	1.25	0.52	0.85	5	2.97	2.97	3.62	12.08	12.02	?
Darjeeling Hill.	(Niphamsari)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	?
	Ulipore	.....	.....	.....	.....	.....	.....	0.50	1	0.50	0.50	?	7.71	?	?
	Jaligore	.....	.....	.....	1.25	1.70	.....	1.76	4	8.25	8.25	5.82	11.18	15.45	?
	Atipore	0.27	.....	1.25	.....	1.70	.....	1.76	4	8.25	8.25	5.82	11.18	15.45	?
North Bhagalpore.	Doar	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	?
	Fallacotta	0.09	3.90	0.19	.....	0.44	3.50	1.94	4	6.05	6.05	?	9.4	?	?	
	Debiganj	.....	.....	.....	.....	1.01	0.10	1.02	6	0.91	0.91	?	14.12	?	?
	Dumkati	.....	0.91	.....	.....	2.41	0.95	0.67	4	4.94	4.94	6.08	12.06	17.00	?
Purneah	Cooch Behar	.....	.....	.....	0.73	1.21	2.00	0.50	4	5.34	5.34	8.51	17.41	17.41	?
	Mitlagurva	.....	0.27	.....	0.46	1.72	4.75	2.32	5	9.52	9.52	5.70	18.61	12.87	?
	Masabanga	0.06	0.78	.....	0.05	1.09	0.54	0.49	6	2.81	2.81	5.33	6.63	12.82	?	
	Bhuz	0.09	.....	2.04	1.70	1.00	1.19	1.50	6	8.05	8.68	7.47	17.21	21.15	?	
Durban	Silguri	1.78	.....	0.58	0.38	0.33	0.82	.....	5	3.86	3.86	2.64	8.77	9.48	?
	Darjeeling	0.17	0.20	0.05	0.05	0.12	0.08	.....	7	1.33	2.14	3.29	5.7	7.67	?	
	Kalimpong	.....	0.10	0.05	0.05	0.26	0.13	0.18	6	0.70	0.70	1.00	2.90	4.01	?	
	Kissengunge	1.81	.....	2.75	.....	.....	0.32	0.08	2	2.13	2.13	2.03	10.14	6.13	?
North Bhagalpore.	Arrah	3.07	.....	0.43	.....	.....	0.25	0.18	1	0.18	0.18	1.34	9.50	4.86	?
	Purneah	.....	.....	.....	.....	.....	.....	1.03	1	1.03	1.03	?	5.08	4.74	?
	Gondwara	.....	.....	.....	.....	.....	.....	0.60	1	1.50	1.50	?	?	?	?
	Salurpore	0.90	.....	.....	.....	0.30	0.61	0.95	3	1.81	1.81	?	0.75	?	?
Muzaffarpore	Wazari	0.30	.....	0.50	.....	1.15	0.30	0.95	5	5.18	5.18	?	8.12	?	?
	Kataganj	2.28	.....	0.35	.....	.....	.....	.....	.....	.....	.....	0.81	5.20	?	?
	Madipur	.....	.....	0.48	.....	.....	.....	0.10	2	0.58	0.70	1.00	5.85	3.84	?
	Protaganj	.....	.....	.....	.....	0.85	.....	.....	1	0.85	0.85	?	2.45	?	?
Muzaffarpore	Tupore	.....	.....	0.00	.....	.....	.....	0.52	2	1.12	3.67	0.44	4.57	1.61	?
	Durbanga	.....	.....	0.28	.....	.....	.....	0.2	2	0.40	2.17	0.73	5.59	2.20	?
	Mairabani	.....	.....	0.82	.....	0.99	0.08	0.10	4	1.02	1.97	1.10	0.25	2.37	?
	Bahera	.....	.....	0.50	.....	.....	.....	0.10	2	0.60	1.10	?	0.21	?	?
Muzaffarpore	Bahera	.....	.....	1.90	.....	.....	0.54	.....	2	2.54	?	?	?	?	?
	Chamari	.....	.....	1.01	.....	0.30	.....	.....	2	2.21	2.50	0.82	4.86	2.27	?
	Muzaffarpore	.....	.....	0.81	.....	0.59	0.12	.....	3	1.24	2.33	0.83	5.17	3.14	?
	Chamari	.....	.....	0.40	.....	.....	1.13	.....	2	1.53	1.94	0.24	8.25	1.97	?
Muzaffarpore	Chamari	.....	.....	.....	.....	.....	0.20	.....	1	0.20	0.20	?	1.80	?	?
	Chamari	.....	.....	.....	.....	.....	0.40	.....	1	0.40	0.40	?	?	?	?
	Chamari	.....	.....	0.52	.....	.....	.....	.....	1	0.52	0.52	?	3.44	?	?
	Chamari	.....	.....	0.80	.....	.....	.....	.....	1	0.80	0.80	?	5.35	?	?
Muzaffarpore	Chamari	0.50	.....	0.20	.....	.....	.....	.....	2	0.70	1.00	1.01	3.70	2.48	?
	Chamari	.....	0.40	.....	.....	.....	0.10	.....	2	1.02	1.18	0.91	3.39	2.15	?
	Chamari	.....	0.90	.....	.....	.....	0.20	.....	2	1.70	3.20	?	5.48	?	?
	Chamari	.....	1.40	.....	.....	.....	0.20	.....	2	1.75	1.75	?	5.62	?	?

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 8th of June 1888—concl.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rain fall since 1st of month.	Average total rain fall from 1st of month.	Total rain fall since 15th May.	Average rainfall from 15th May to date.
			Saturday, 2nd June.	Sunday, 3rd June.	Monday, 4th June.	Tuesday, 5th June.	Wednesday, 6th June.	Thursday, 7th June.	Friday, 8th June.	Number of rainy days.	Rainfall of week.				
NORTH BEHAR—concluded.	Saran	Gopalgunge	0.73					0.65		2	1.38	1.43	0.31	12.64	1.91
		Saras	0.41							1	0.41	0.81	0.32	1.31	1.09
SOUTH BEHAR	Shahabad	Chitprah	0.31							1	0.31	0.31	0.44	1.79	1.42
		Buxar						0.19		1	0.19	0.75	0.10	1.02	0.81
		Dehree							0.07	1	0.07	0.22	0.04	0.95	1.07
		Rhuboah								Nil	Nil	0.22	0.30	0.72	0.80
		Sasaram							0.16	1	0.16	0.25	0.26	0.51	0.86
		Arrah								Nil	Nil	0.23	0.43	1.07	1.06
		Mohania								Nil	Nil	0.60	0.43	1.07	1.06
	Gya	Aurnakabad							0.43	1	0.43	0.43	0.43	1.31	1.71
		Gya								Nil	Nil	0.04	0.30	0.47	1.71
		Nowadah							0.03	1	0.03	0.12	0.44	0.21	1.71
		Johannabad						0.05		1	0.05	0.33	0.38	0.60	1.08
		Arwal						0.15		1	0.15	0.45	0.38	1.17	1.71
		Bandhagar								Nil	Nil	0.20	?	0.20	?
		Sherrghat								Nil	Nil	?	?	?	?
		Rajauli								Nil	Nil	?	?	?	?
		Pakri Barwan	0.20							1	0.20	0.20	?	0.70	?
	Patna	Patna			0.13			0.62		2	0.75	1.03	0.40	1.81	1.90
		Dinapore								1	0.11	0.11	0.44	1.04	1.91
		Behar						0.11	0.10	2	0.20	1.10	0.44	1.04	1.91
		Harbh								Nil	Nil	0.30	0.44	1.04	1.91
		Biokram								1	1.52	1.52	?	2.85	?
	Monghyr	Begooah			0.10				0.03	2	0.13	0.83	0.32	1.87	1.90
		Monghyr			0.10		0.04		0.12	3	0.24	0.79	0.91	2.75	2.60
		Jamun			0.05		0.11		1.24	3	1.40	1.79	0.50	2.81	1.90
		Gogri			0.30				0.20	2	1.10	1.10	?	4.10	?
	South Bhagulpore	Sheikpura								Nil	Nil	0.30	?	1.80	?
		Bhaskulpore			0.19				1.40	2	1.59	1.59	0.84	6.00	2.48
		Hanka				0.14	0.53		1.15	3	1.58	1.58	1.02	2.17	2.48
		Kolpore			0.23		0.18		2.40	3	3.20	3.20	?	7.08	?
	Sonthal Pergunnahs.	Rajmehal					0.79		0.51	2	1.30	1.30	1.37	8.47	4.36
		Godda			0.40		0.88		1.00	3	2.28	2.28	0.95	4.67	3.86
		Pakour			1.73		0.26		0.08	3	2.05	3.10	1.47	5.93	3.44
		Nya Dohanka	0.27	0.29	0.26	0.28	0.05		0.06	6	1.61	1.81	1.53	2.55	3.07
		Deognur							0.47	1	0.47	0.52	1.05	1.72	2.79
		Jamtara			0.19		0.28			2	1.47	0.47	1.20	8.01	3.27
		Mohagana			0.05				0.58	2	0.63	0.63	?	?	?
		Namania								Nil	Nil	0.12	?	0.41	?
SOUTH NAGPUR.	Hazaribagh	Paonamba											1.00		2.57
		(Girdi)													
		Hazaribagh							0.64	1	0.64	0.64	0.95	1.37	2.51
		Semantagan							0.20	1	0.20	0.20	1.00	0.62	2.63
		Manodi Hills										0.00	0.00	0.00	2.36
		Jhoomrah Hills										0.50	0.50	?	2.63
		Barhi					0.45			1	0.45	0.45	?	0.84	?
		Chitra								Nil	Nil	?	?	0.05	?
		Karagaha		0.19	1.00		0.20			3	1.39	1.39	?	1.70	?
		Kamphar								Nil	Nil	?	?	1.35	?
	Lohardugga	Lohardugga					0.07		0.75	2	0.82	0.82	0.41	1.90	3.75
		Kanoni						0.14		1	0.14	0.35	1.15	2.07	3.15
		Paimow					0.05			1	0.05	0.05	0.55	0.28	1.50
		Billi										?	?	?	?
		Balumat								Nil	Nil	?	?	?	?
		Hosseinabad										?	?	?	?
		Garsah							0.40	1	0.40	0.40	?	?	?
	Singbhoom	Chyomasa			0.05	0.17	0.03	0.10	1.05	5	1.40	1.40	1.05	3.55	1.62
		Chakradhar	0.07			0.28			0.34	3	0.69	1.13	?	2.71	?
		Chutella	0.62						1.77	2	2.39	2.39	?	3.48	?
		Bharagura		0.17				0.50		3	1.67	1.67	?	6.59	?
	Mambhoom	Puruli	0.64			0.15	0.12	0.04		5	1.89	1.89	1.18	3.91	3.20
		Godindpore								Nil	Nil	0.02	1.84	1.84	2.39
		Kaghunathpore	0.11				0.44	0.40		3	0.55	0.55	?	1.53	?
		Barrabhoom	0.00				0.73					0.81	?	2.90	?
		Jhalda				0.20	1.00					1.20	?	1.98	?
		Chus	0.28				0.50	0.17				0.95	?	?	?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 8th June 1888.

**SUMMARY OF METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS
TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 8TH OF
JUNE 1888.**

At the close of the previous week the meteorological conditions generally were normal for the period just previous to the commencement of the monsoon rains in Bengal. Hot weather conditions but with rather moist winds, and frequent local storms with rain, obtained in Bengal, and over the south and centre of the Bay the monsoon winds had made good progress. The monsoon current then blowing over this area represented the third strong advance of these winds which had taken place this year from the south of the Bay, and this advance was decidedly the most powerful and pronounced of the three. This advance had been shown from the 27th of May by the very strong winds which had been blowing at the Ceylon stations, and on June 1st, or the last day of the previous week, the advance had reached well into the centre of the Bay, and there were no indications of any definite storm having formed in front of the advance. On the 2nd of June, however, there was a decided fall of pressure at the central stations on the east coast of the Bay, while wind directions showed rather strong indraught towards the sea area. It was clear on this day that a small cyclonic storm was forming to the north-west of the Andaman Islands. On the morning of the 3rd the small storm had developed somewhat rapidly, and it existed as a well-defined, though rather small, storm off the Pegu Coast. On this day weather was probably rather stormy to the east of the centre of the Bay, and strong winds were reported in Burma at the neighbouring stations of Diamond Island and Bassein. The small storm then commenced to move in a north-westerly direction, and on the 4th of June it was in the centre of the Bay, and apparently advancing towards the Orissa coast. On this day also it is probable that the storm was of moderate intensity, though there were indications that it was even then of less intensity than it had been on the previous day. The special four-hourly observations made at some of the principal stations at the head of the Bay, which had been called for, showed that from 8 A.M. of the 4th, and particularly during the night of this day, the storm gradually became more and more feeble till, on approaching the coast on the morning of the 5th, it had ceased to exist as a definite storm, and its place was taken by a diffused disturbance of little importance, which gradually drifted over Orissa and the head of the Bay, giving moderate rain only. On the 6th, pressure continued to fall over South-West Bengal and Orissa, owing probably to the continued feeble existence of the depression, but after this date it disappeared, and ceased to affect the weather of the province. With its disappearance a moderately strong south-easterly current set in over the greater part of the province, and moderate rain fell in all districts except South Behar and Chutia Nagpur. Even up to the close of the week, however, the true rains cannot be said to have broken in Bengal, for the rainfall brought up by the moist wind current blowing has generally accompanied local storms; and though south-easterly and easterly winds have been reported over a large part of the province, still north-westerly and westerly winds have been blowing at the western stations in Behar and Chutia Nagpur. By the actions above described, however, fairly frequent rain showers have been received in all districts of the province except parts of Chutia Nagpur and South Behar. In the Bay during the week weather has probably been squally, and for one or two days perhaps stormy in the central and eastern parts.

Pressure.—From the preceding description of the meteorology of the week, it will be seen that pressure has been necessarily low in the districts of Orissa and South-West Bengal. At False Point indeed the mean pressure for the week has been below the normal by 0.043 inch, and at Saigor Island by 0.040 inch, but the general defect of pressure over the whole province has been 0.019 inch; and at such stations as Durbhanga the mean pressure for the week has been actually above the normal. In Assam, pressure has been below the normal by 0.023 inch.

Temperature.—Has been above the normal in East Bengal, and elsewhere it has been below it; the defect equalling 2° in South Behar and nearly 4° in North Behar. For the whole province temperature has been below the normal by 1.2°. In Assam the defect has only been 0.7°.

Rainfall.—Has been slightly above the usual fall for the period in South-West Bengal and in Behar; it has been below it by moderate amounts in Orissa, North Bengal and Chutia Nagpur; while in East Bengal the defect has been rather large. The general rainfall in South-West and North Bengal has averaged between two and three inches; in East Bengal and North Behar it has averaged from one to two inches; while in Orissa, South Behar and Chutia Nagpur it has varied from about half an inch to an inch.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 8th of June 1888:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.										RAINFALL.									
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	of week.			Rainy days.			Since 1st of month.		Since 15th May.					
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.				
Orissa	108.4	71.8	93.3	80.2	86.7	-0.8	0.86	1.23	-0.63	2.7	1.8	+0.9	0.71	1.38	3.22	3.5				
South-West Bengal	103.6	70.6	95.6	77.2	86.4	-1.0	2.45	2.08	+0.37	3.5	2.6	+0.9	2.66	2.30	4.75	5.0				
East Bengal	100.7	72.6	89.7	77.1	83.4	+1.5	1.80	3.05	-2.35	3.0	3.9	-0.9	2.29	4.50	8.70	8.81				
North Bengal	99.6	67.7	90.6	74.3	82.5	-1.6	2.73	3.23	-0.50	3.1	3.1	0	2.97	3.78	9.85	9.38				
North Behar	96.8	70.6	90.8	76.8	83.3	-3.9	1.40	0.84	+0.56	2.3	1.2	+1.1	1.95	0.89	4.98	2.77				
South Behar	108.4	74.0	97.1	78.2	87.7	-2.1	0.70	0.61	+0.09	1.8	1.2	+0.6	0.91	0.68	2.25	2.29				
Chhota Nagpur	102.0*	71.4*	97.4*	76.5*	86.5*	-0.8*	0.48	0.85	-0.37	1.5	1.8	-0.3	0.54	0.90	1.52	2.74				
Assam	93.6	70.3	88.4	74.7	81.6	-0.7														

* Chyabassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 12th June 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 3rd to 9th June 1888.

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1888.		°	°	°	°	°	Inches.	°	%	Inches
June	3rd	83.6	96.3	22.5	73.8	79.7	.962	78.1	83	0.26
"	4th	87.0	97.0	17.7	79.3	83.0	1.076	81.5	84	1.08
"	5th	86.0	95.0	15.2	79.8	80.2	.954	77.8	77	—
"	6th	80.8	94.0	19.2	74.8	78.4	.941	77.4	80	0.79
"	7th	86.1	96.8	20.2	76.6	80.8	.981	78.7	79	0.08
"	8th	85.2	97.0	15.6	81.4	82.0	1.051	80.7	86	0.17
"	9th	83.6	97.5	19.5	78.0	79.5	.954	77.8	88	0.09

The mean temperature of the seven days ... 84.6
The extreme variation of temperature ... 23.7
The maximum temperature ... 97.5

The mean relative humidity ... 83

The total fall of rain from 3rd to 9th June 1888 ... 2.42

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
The 11th June 1888.

A. PEDLER,
For Offg. Meteorological Reporter to the Govt. of India.

MEMORANDUM.

THE subjoined table presents the vital statistics of the principal Municipalities in Bengal for the week ending 26th May 1888. The results to be gathered from it, contrasted with those of the preceding week ending 19th May, are the following:—

1. Births and deaths were registered at the following rates:—

						Ratio per mille for weeks ending—	
						26th May 1888.	19th May 1888.
Births	...	...	...	...	...	18.4	20.0
Deaths	...	...	...	...	...	22.6	24.2

indicating a retrogression in the registration of both the casualties.

2. In the following Municipalities births and deaths occurred at the highest rates:—

<i>Births.</i>				<i>Deaths.</i>			
			Ratio per mille.				Ratio per mille.
Naraingunj	...	...	45.6	Utterpara	...	...	37.7
Monghyr	...	...	36.2	Suburbs of Calcutta	...	...	34.8
Bhagulpore	...	...	33.5	Gya	...	...	34.8
Mozufferpore	...	...	32.8	Kishnaghur	...	...	34.1
Comillah	...	...	30.8	Bhagulpore	...	...	32.6
				Durbhanga	...	...	32.3
				Chittagong	...	...	30.5

3. From the figures in the following table it appears that during the week under notice, the mortality from cholera and fever had declined sensibly, and that there were no marked differences in fatal results from the rest of the death-causes:—

						Ratio per mille during the weeks ending—	
						26th May 1888.	19th May 1888.
Cholera	...	...	...	...	...	3.6	4.5
Small-pox	...	...	...	...	...	.03	1
Fever	...	...	...	...	...	8.7	9.9
Bowel-complaints	...	...	...	...	...	3.0	2.7
Injury	...	...	...	...	...	.7	.6
Other causes	...	...	...	...	...	6.5	6.4

4. Of the diseases mentioned above, while fever proved noticeably fatal in the Kishnaghur Municipality, viz., at the rate of 24.6 per 1,000 of population, and small-pox, bowel-complaints and injury exhibited only normal fatality, cholera and the maladies recorded under the head of "Other causes" caused the highest mortality in the following Municipalities:—

<i>Cholera.</i>				<i>Other causes.</i>			
			Ratio per mille.				Ratio per mille.
Suburbs of Calcutta	...	...	9.5	Utterpara	...	...	28.3
Chittagong	...	...	7.0	Mozufferpore	...	...	14.0
Hughli	...	...	5.4	Bhagulpore	...	...	12.7
Durbhanga	...	...	4.7	Gya	...	...	12.3
Patna	...	...	4.2				
Gya	...	...	2.7				
Dacca	...	...	2.6				
Howrah	...	...	2.3				

5. In relation to Sex, Class and Age, the mortality of the week was distributed as follows:—

<i>According to Sex.</i>			<i>According to Class.</i>			<i>According to Age.</i>		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Males	...	23.4	Christians	...	30.4	Under 1 year	...	171.5
Females	...	21.8	Hindus	...	21.8	1 and under 5 years	...	59.8
Ratio of male deaths to every 100 female deaths	121		Mahomedans	...	24.7	5 " 10 "	...	15.5
						10 " 15 "	...	6.8
						15 " 20 "	...	16.2
						20 " 30 "	...	12.7
						30 " 40 "	...	17.8
						40 " 50 "	...	19.5
						50 " 60 "	...	20.8
						60 years and upwards	...	42.0

R. LIDDEKDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 26th May 1888.

[illegible]

[illegible]

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 9th June 1888.

**R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal**

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

CALCUTTA AND EASTERN CANALS.

Statement showing Quantities of Goods carried during the month of April 1888.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
702	1. Grain ...	12,436	1	12,437	9,42,831	12,437	9,42,831	* For detail see next page.
76	2. Cotton ...	717	27	744	82,062	744	82,062	
186	3. Oilseeds ...	535	2,167	2,702	2,64,862	2,702	2,64,862	
7	4. Salt ...	24	7	31	9,100	31	9,100	
72	5. Piece-goods ...	2,274	55	2,329	43,343	2,329	43,343	
1,122	6. Building materials ...	6,413	637	7,050	9,20,488	7,050	9,20,488	
453	7. Miscellaneous* ...	8,551	643	9,194	79,566	9,194	79,566	
	8. Fuel ...							
	9. Timber ...							
	10. Bamboos ...							
2,618	11. Total ...	30,950	3,537	34,487	23,42,252	34,487	23,42,252	
2,819	12. Total of same month last year	42,650	4,253	46,903	29,32,888	46,903	29,32,888	
14. Total number of boats plying cargo No.		Up. 2,354	Down. 264	Total. 2,618	Total tollage of month— 24 + 25 + 26 ...		Rs. A. P. 22,199 11 9	
14a. Ditto empty ..		1,593	393	1,986				
15. Total number of boats plying passenger No.		270	4	274	Total tollage of same month last year ...		24,077 12 6	
16. Total registered tonnage, cargo TONS		101,478	10,341	111,819	Memorandum of Tollage.			
17. Total registered tonnage, passenger TONS		685	27	712				
18. Ton-mileage ..		808,160	103,410	911,570	Rs. A. P.			
19. Estimated value of cargo Rs		20,40,139	3,02,113	23,42,252	1. Balance not recovered on the 1st of the month ... 3,888 8			
20. Number of passengers No.		1,292	14	1,306	2. Tollage per month ... 22,199 11 9			
21. Rafts, bamboos C. ft.		.....	.....	.....	3. Total ... 26,088 4 0		
22. Do., bullahs ..		.....	.....	.....	4. Amount paid into treasury during the month ... 25,475 15 3		
23. Estimated value of rafts Rs.		.....	.....	.....	5. Balance due at the end of the month ... 612 4 9		
24. Tollage on boats ..		19,659-6-9	2,540-5-0	22,199-11-9				
25. Compounded tollage on boats Rs.		.....	.....	.....	
26. Tollage on rafts ..		.....	.....	.....
27. Total tollage on boats per ton-mile Pies		.....	.....	4-67			
28. Ditto on rafts per 100 cubic feet ...		.....	.....	.....

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).
CALCUTTA AND EASTERN CANALS.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
65	(a) Jute ...	1,504	.....	1,504	2,10,625	1,504	2,10,625	
56	(b) Jaggery ...	409	88	497	69,550	497	69,550	
15	(c) Sugar ...	61	.....	61	17,150	61	17,150	
3	(d) Tobacco ...	.....	11	11	2,400	11	2,400	
321	(e) Fish ...	118	.....	118	33,028	118	33,028	
3	(f) Hides ...	5	.....	5	1,100	5	1,100	
67	(g) Poultry ...	16	.....	16	13,721	16	13,721	
87	(h) Hay and straw ...	1,397	.....	1,397	29,334	1,397	29,334	
22	(i) Oils ...	.....	250	250	35,020	250	35,020	
42	(k) Earthenware ...	65	.....	65	913	65	913	
441	(m) Other miscella- neous ...	2,838	288	3,126	5,07,647	3,126	5,07,647	
1,122	Total Miscellaneous...	6,413	637	7,050	9,20,488	7,050	9,20,488	

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

SOUTH-WESTERN CIRCLE.

TOLLY'S NULLAH.

Statement showing quantities of Goods carried during the month of April 1888.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	
1,127	1. Grain ...	6,623	.....	6,623	4,22,467	6,623	4,22,467
5	2. Cotton ...	51	.....	51	25,650	51	25,650
3	3. Oilseeds ...	.....	23	23	2,275	23	2,275
52	4. Salt ...	483	245	728	71,312	728	71,312
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
370	7. Building materials ...	2,849	.....	2,849	12,843	2,849	12,843
667	8. Miscellaneous* ...	2,783	80	2,863	1,99,088	2,863	1,99,088
230	9. Fuel ...	3,146	.....	3,146	27,116	3,146	27,116
.....	10. Timber ...	.....	.....	.....	.....	.....	.....
14 rafts.	11. Bamboos ...	1,250 c.ft.	.....	1,250 c.ft.	156	1,250 c.ft.	156
2,454 & 14 rafts	12. Total ...	15,935 & 1,250 c.ft.	348	16,283 & 1,250 c.ft.	7,60,907	16,283 & 1,250 c.ft.	7,60,907
2,602 & 8 rafts.	13. Total of same month last year ...	15,970 & 487 No.	572	16,542 & 487 No.	7,22,140	16,542 & 487 No.	7,72,140
		Up.	Down.	Total.			Rs. A. P.
14.	Total number of boats plying cargo ... No.	2,413	41	2,454	Total tollage of month— 24 + 25 + 26 ...		8,695 12 0
14a.	Ditto empty ...	692	86	778	Total tollage of same month last year ...		8,503 0 9
15.	Total number of boats plying passenger ... No.	219	10	220	Memorandum of Tollage.		
16.	Total registered tonnage, cargo ... Tons	54,817	1,340	56,157			
17.	Total registered tonnage, passenger ... Tons	495	32	527			
18.	Ton-mileage ...	4,91,115	21,440	5,12,555	1. Balance not recovered on the 1st of the month ...		1,562
19.	Estimated value of cargo Rs.	7,22,948	37,803	7,60,751	2. Tollage per month ...		8,695 1
20.	Number of passengers No.	1,201	50	1,251			
21.	Rafts, bamboos C. ft.	1,250	.....	1,250			
22.	Do., bullahs ...	.....	.....	.....	3. Total ...		10,257 14
23.	Estimated value of rafts Rs.	156	.....	156			
24.	Tollage on boats ...	8,354-15-9	337-5-0	8,692-4-9			
25.	Compounded tollage on boats ... Rs.	.....	.....	.....
26.	Tollage on rafts ...	3-8-0	.....	3-8-0	4. Amount paid into treasury during the month ...		10,083 2
27.	Total tollage on boats per ton-mile Pies	.....	.....	3-25			
28.	Ditto on rafts per 100 cubic feet ...	.....	.....	0-4-5	5. Balance due at the end of the month ...		174 11

* For detail see next page.

ARTICLES OF TRAFFIC INCLUDED IN ITEM 8. (MISCELLANEOUS)

TOLLY'S NULLAH.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
6	(a) Jute ...	55	.....	55	7,625	55	7,625	
57	(b) Jaggery ..	366	.....	366	51,210	366	51,210	
2	(c) Sugar ...	5	.....	5	1,500	5	1,500	
21	(d) Tobacco ...	129	21	150	33,600	150	33,600	
59	(e) Fish ...	19	.....	19	5,387	19	5,387	
.....	(f) Hides ...	.....	.....	.....	.....	.....	.....
.....	(g) Poultry ...	.....	.....	.....	.....	.....	.....
143	(h) Hay and straw...	318	.....	318	5,565	318	5,565	
36	(j) Oils ...	255	17	272	38,125	272	38,125	
156	(k) Earthenware ...	241	2	243	3,410	243	3,410	
187	(m) Other miscellane- ous ...	1,395	40	1,435	52,666	1,435	52,666	
667	Total Miscellaneous...	2,783	80	2,863	1,99,088	2,863	1,99,088	

ABSTRACT FOR THE MONTH OF APRIL 1888, AS COMPARED WITH THE
CORRESPONDING MONTH OF THE PREVIOUS YEAR.

	TRAFFIC, 1888-89.		TRAFFIC, 1887-88.	
	During the month.	To end of the month.	During the month.	To end of the month.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Calcutta and Eastern Canals ..	22,199 11 9	22,199 11 9	24,077 12 6	24,077 12 6
Tolly's Nullah ...	8,695 12 9	8,695 12 9	8,503 0 9	8,503 0 9
Total ...	30,895 8 6	30,895 8 6	32,580 13 3	32,580 13 3

CALCUTTA,
The 11th June 1888.

A. D. McARTHUR, Major, R.E.
Under-Secretary to the Government of Bengal.

PUBLIC WORKS DEPARTMENT, BENGAL.

IRRIGATION BRANCH.

IRRIGATION OPERATIONS FOR THE OFFICIAL YEAR 1888-89.

Areas leased for Irrigation up to end of April 1888.

CIRCLE.	DISTRICT.	CANAL.	Esti- mated full dis- charges.	Average discharge in month.	C. ft.	C. ft.	C. ft.	Approx- imate area of land irrigated during the year up to the end of the month.	Approx- imate area of land irrigated up to the end of the year.	DETAILS OF AREAS LEASED.						RAINFALL, 1888-89.		RAINFALL, 1887-88.		REMARKS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
										Five years, all crops.	Five years, kharif.	Kharif.	Rabi.	Sugar cane.	Bladoi weather.	Total.	Grand Total.	Inch.	Inch.		Inch.	Inch.	Inch.	Inch.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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A. D. MCARTHUR, Major, R.E.
Under-Secretary to the Govt. of Bengal.

The 11th June 1888.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL
SOUTH-WESTERN CIRCLE.

NUDDEA RIVERS.

Statement showing Quantities of Goods carried during the month of April 1888.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupces.	Tons.	Rupets.	
564	1. Grain ...	559	6,065	6,624	3,34,328	6,624	3,34,328	
99	2. Cotton ...	21	1,288	1,309	1,44,854	1,309	1,44,854	
134	3. Oilseeds ...	932	...	932	81,280	932	81,280	
...	4. Salt ...	...	...	...	...	...	...
22	5. Piece-goods ...	66	24	90	69,310	90	69,310	
14	6. Metal ...	98	5	103	2,146	103	2,146	
373	7. Building materials ...	1,096	908	2,004	3,54,547	2,004	3,54,547	
8	8. Miscellaneous ...	56	9	65	838	65	838	
41 rafts	9. Fuel ...	607 c. ft.	2,613 c. ft.	3,220 c. ft.	9,105	3,220 c. ft.	9,105	
1 "	10. Timber ...	60 "	...	60 "	5	60 "	5	
1,214 & 42 rafts	11. Bamboos ...	2,828 & 667 c. ft.	8,299 & 2,613 c. ft.	11,127 & 3,280 c. ft.	9,96,419	11,127 & 3,280 c. ft.	9,96,419	
1,776 & 53 rafts	12. Total ...	3,792 & 1,205 c. ft.	11,850 & 18,573 c. ft.	15,642 & 19,778 c. ft.	12,78,063	15,642 & 19,778 c. ft.	12,78,063	
	13. Total of same month last year							
		Up.	Down.	Total.				
14.	Total number of boats plying cargo No.	522	692	1,214	Total tollage of month—			Rs. A.
14a.	Ditto Empty boats, steamers &c. No.	515	67	582	24 + 25 + 26 ...			5,785 8
15.	Total number of boats plying passenger No.	397	386	783	Total tollage of same			
15a.	Ditto Empty boats No.	6	...	6	month last year ...			12 371 13
16.	Total registered tonnage, cargo Tons	11,607	16,252	27,859	Memorandum of Tollage.			
17.	Total registered tonnage, passenger Tons.	136	167	303				
18.	Ton-mileage ...	...	...	...				Rs. A.
19.	Estimated value of cargo Rs.	3,58,428	5,98,881	9,57,309	1. Balance not recovered on the 1st of the month ...			795 4
20.	Number of passengers No.	544	634	1,178	2. Tollage per month ...			5,785 8
21.	Rafts, bamboos c. ft.	60	...	60	3. Total ...			6,583 12
22.	Do., bullahs "	607	2,613	3,220	4. Amount paid into treasury during the month ...			6,382 16
23.	Estimated value of rafts Rs.	1,270	7,840	9,110	5. Balance due at the end of the month ...			200 13
24.	Tollage on boats "	2,090-2-8	3,612-2-0	5,702-4-8				
25.	Compounded tollage on boats ...	...	...	...	
26.	Tollage on rafts Rs.	9-12-0	73-8-0	83-4-0				
27.	*Total tollage on boats per ton-mile ...	...	...	...	
28.	Total tollage on rafts per 100 cubic feet Rs.	...	...	2-8-7				

* Boats in these rivers do not pay per mile.

Abstract for the month of April 1888, as compared with the corresponding month of the previous year.

	1888-89.				1887-88.			
	During the month.		To end of the month.		During the month.		To end of the month.	
	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.	Rs.	A. P.
Tollage ...	5,785	8 8	5,785	8 8	12,371	13 8	12,371	13 8

CALCUTTA,
The 11th June 1888.A. D. McANULTY, Major, B.E.
Under-Secretary to the Government of Bengal.

PUBLIC WORKS DEPARTMENT,—BENGAL.

IRRIGATION BRANCH.

Statement shewing heights over mean sea-level and low-water in the Rivers Ganges, Jellinghee and Brahmapootra for the month of May 1888.

RIVER GANGES.													RIVER BELAGACHIE. RIVER JELLISONIA.		RIVER BANMAFOOTRA.						
Mirzapore.		Benares.		Buxar.		Dinapore.		Monghyr.		Sahagunge.		Rampore Beaulah.		Goalundo.		Berhampore.		Sarupgunge.		Gorhatti.	
Distance.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.
1st	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
2nd	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
3rd	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
4th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
5th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
6th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
7th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
8th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
9th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
10th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
11th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
12th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
13th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
14th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
15th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
16th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
17th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
18th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
19th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
20th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
21st	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
22nd	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
23rd	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
24th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
25th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
26th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
27th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
28th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
29th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
30th	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67
31st	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67	1.67

A. D. McARTHUR, Major, R.E.
Under-Secretary to the Government of Bengal.

The 11th June 1888.

CIRCULAR AND EASTERN CANALS.

*Approximate return of traffic for the week ending Saturday, the 9th June 1888,
as compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 9TH JUNE 1888.			WEEK ENDING SATURDAY, THE 11TH JUNE 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy	363	1,01,400	1,771	403	92,729	1,302
Jute	7	6,550	97	18	10,100	219
Firewood	130	58,425	866	152	82,050	1,264
Other articles	724	1,86,170	2,782	894	2,02,095	3,107
Total	1,224	3,52,545	5,516	1,467	3,86,974	5,892

EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the 5 weeks ended 28th April 1888, as compared with the same period of 1887.

STAPLES.	1888.		1887.		Increase.		Decrease.	
	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
ANIMALS, LIVING	No.		No.		No.		No.	
Horses, ponies, and mules	74	1,470	116	3,669	83	705	42	1,539
Cattle	1,321	1,321	25	619	1,296	1,296	833	718
Sheep and goats	3,111	2,789	3,944	3,507	833	718	833	718
Other kinds	2,630	2,115	2,286	1,703	344	412		
BORAX								
Canes and rattans	2	1	12	10	10	10	10	9
Cutch (Indian-rubber)	62	161	74	156	12	5	12	9
Chinese and Japanese ware	9,98,066	3,05,136	9,98,346	2,94,296	3,05,136	10,870		
Coal and coke, up	25,06,591	3,52,464	21,08,577	3,01,744	3,97,820	50,720		
Ditto, down	58,867	41,671	2,71,016	2,58,793	2,12,149	2,17,125		
Cotton, raw	8,085	12,085	8,328	12,014	243	41		
COTTON, MANUFACTURED.								
Twist and yarn (European)	12,467	8,027	12,487	8,054	20	27		
Ditto (Indian)	2,53,367	2,82,421	2,31,750	2,59,173	21,617	23,248		
Piece-goods (European)	29,279	19,020	28,434	20,252	845	768		
Ditto (Indian)	264	137	257	170	7	67		
Other sorts, not intoxicating	2,717	2,812	1,916	2,296	801	516		
DRUGS AND MEDICINES.								
Intoxicating drugs (other than opium, i.e., arsenic, blung, ganja, and churus, &c.)	2,390	1,548	1,866	1,559	424	11		
Indigo	462	532	652	803	190	29		
Macler or manjit	136	39	39	24	97	15		
DYEING MATERIALS.								
Safflower	7,977	4,530	8,377	4,098	400	432		
Turmeric	17,619	11,453	16,712	12,130	907	400		
Other kinds	14,734	7,450	19,036	10,862	4,302	3,412		
Earthenware and porcelain	741	1,077	728	1,065	13	12		
Ditto, raw	11,773	3,830	5,771	2,028	6,002	1,802		
FIBROUS PRODUCTS.								
Do., manufactured (gunny bags and cloths)	1,36,599	71,873	1,14,159	52,154	22,440	19,639		
Other fibres, raw	23,363	11,778	12,663	5,427	10,700	6,351		
Ditto, manufactured	2,304	1,290	3,032	1,187	728	103		
FRUITS & NUTS								
Cocoanuts	8,325	5,316	6,552	4,391	1,773	925		
All other kinds	11,590	32,082	3,786	28,556	2,714	3,426		
Wheat	5,56,871	1,25,084	9,80,321	2,97,363	4,23,450	1,66,230		
Gram and pulses	1,89,422	14,339	2,01,094	7,810	11,972	31,430		
Rice, husked	6,34,290	1,59,963	7,82,359	1,74,736	1,48,069	14,770		
Ditto, unhusked	32,564	4,768	31,094	3,678	1,470	1,100		
Other rain and spring crops	1,32,068	29,668	1,47,093	33,428	15,025	3,860		
Government stores	26,740	32,830	21,200	30,726	5,540	2,104		
Gums and resins	5,561	2,402	4,180	1,784	1,381	619		
HIDES & SKINS.								
Hides of cattle	47,464	32,328	54,484	31,869	7,020	2,632		
Skins of sheep, goats, and small animals	15,426	8,395	12,651	7,046	2,775	1,349		
HORNS								
Do. eye	880	779	830	339	50	440		
LAC								
Do. shell	20,188	11,155	21,071	17,341	883	2,888		
Do. stick and other kinds	21,369	7,914	23,859	7,692	2,490	1,778		
LEATHER								
Leather, unmanufactured	1,167	2,975	1,340	3,627	1,733	644		
Ditto, manufactured	2,660	3,430	3,943	3,943	1,283	503		
LIQUORS								
Mats	16,916	14,955	15,874	16,134	958	1,179		
Minerals	554	542	628	347	74	5		
METALS, AND MANUFACTURES OF								
Brass and copper	2,08,997	30,162	1,27,498	19,633	81,499	10,529		
Iron	26,710	16,312	58,112	24,881	31,402	10,569		
Other metals	1,27,168	75,712	92,064	62,471	35,004	23,241		
Oil	5,000	4,908	6,638	5,637	1,638	971		
Opium	41,692	22,118	50,047	18,568	8,550	3,010		
Paints and colours	61,374	30,359	61,065	43,139	18,235	12,810		
Provisions	12,625	1,222	1,722	1,495	1,963	273		
Ghee	22,102	10,088	26,385	25,573	4,283	5,585		
Other kinds	6,411	4,971	6,355	6,187	56	216		
Railway materials	2,07,924	4,971	1,49,174	9,789	58,750	4,818		
Ditto, ditto	2,26,640	69,711	3,38,192	1,61,314	1,11,582	91,644		
Salt	5,61,385	1,10,355	5,66,168	1,18,210	5,052	7,255		
SALTPETRE, &c.								
Saltpetre	8,381	4,076	8,073	37,315	29,034	2,761		
Other saline substances	28,049	6,941	24,116	4,750	3,933	2,191		
Linsced	11,09,658	3,67,816	11,29,558	3,22,596	67,100	45,220		
Mustard and rape	6,69,014	1,55,534	8,24,334	1,65,871	2,54,289	7,969		
Til or gingelly	8,691	1,833	17,122	2,633	8,431	8,431		
Other oilseeds	3,50,135	1,04,969	1,72,575	61,189	1,77,550	43,770		
Indigo seed	13,752	3,253	8,112	2,418	5,640	880		
Tea seed	46,497	17,473	38,837	29,313	1,660	3,140		
Other kinds	1,555	871	1,825	1,110	270	269		
SILK								
Do., manufactured (European)	878	705	831	697	47	6		
Do., ditto (Indian)	50,151	35,171	17,092	9,635	33,059	25,536		
Spices	1,10,556	13,470	1,35,520	19,834	24,964	6,365		
Stone and marble	3,62,673	73,465	3,39,385	73,794	23,288	329		
SUGAR								
Sugar, refined	2,95,723	44,400	2,70,185	40,464	25,538	4,934		
Do., unrefined	320	1,417	1,270	1,153	147	264		
TEA								
Do., Foreign	2,260	61	1,562	44	698	17		
Tobacco								
Timber	1,41,152	50,145	69,392	32,573	71,760	23,573		
WOOD								
Firewood	41,125	10,010	42,281	9,361	1,842	649		
Wool, raw	61,280	3,359	65,690	6,368	4,408	14,410		
Do., manufactured (European)	2,810	2,453	2,789	2,592	21	219		
Do., manufactured (Indian)	363	366	366	366		3		
WOOL								
Wool, manufactured (Indian)	702	508	841	711	139	14		
Shawls	4,06,243	2,29,556	4,04,137	2,24,878	2,106	4,678		
All other articles of merchandise								
Total	1,10,97,179	32,61,812	1,08,40,364	34,73,884	13,56,815	3,91,946	10,81,410	6,01,918

General remarks on the fluctuation of principal staples carried over the East Indian Railway during five weeks ended 28th April 1888.

INCREASES.

Coal and coke.—There was an increase in both the upward and downward traffic; the former was inconsiderable, and the latter was due to facilities afforded by the opening of the Jubilee Bridge.

Poor-goods.—The increase under this head was due to the large number of Hindu marriage ceremonies taking place during the period.

Guany bags.—Due to larger despatches to the North-Western Provinces and Panjab in the knowledge that crops in those provinces were fuller than in 1887.

Other fibres, raw.—Due chiefly to despatches from Allahabad.

Materials.—This large increase was principally due to heavy despatches of lime from Raneezunge and Ondal for the Midderpore Dock-works.

Iron.—Due principally to large consignments of pig iron from Howrah to Peshawar and of machinery for cotton mills to Cawnpore.

Seeds.—The increase was principally in linseed and mustard and rapa seed; the former for export, and the latter for both export and local consumption.

Spices.—This was chiefly in chillies from Mokamch, Mokamch Ghât and *via* Mokamch Ghât.

Tobacco.—This was in despatches from the Tirhoot State and the Bengal and North-Western Railways, and also from Barh and Patna, owing to the crops this season having been abundant.

DECREASES.

Cotton.—Due to bad crops last season.

Wheat.—No demand for export owing to home market being dull.

Gram and pulses.—Due to absence of demand in Calcutta for shipment to Madras and Burmah.

Rice (husked and unhusked).—There was an increase in the upward traffic, but a greater decrease in the downward despatches, resulting in a considerable falling off in the weight carried attended with a smaller decrease in earnings; and this was due to the Calcutta market not being able to compete on equal terms with up-country purchasers.

Other grains.—The small decrease under this head appears to be due to there having been fair crops at all stations.

Brass and copper.—Due to despatches being still restricted by high prices.

Opium.—Increase in weight carried, but a decrease in earnings. The despatches in crude opium increased; but there were smaller despatches of the manufactured article to Calcutta than in the corresponding period of 1887.

Railway material, Foreign.—The decrease was in consequence of heavy despatches last year from Howrah and *via* Jubbulpore for the Indian Midland Railway.

Salt.—Due to high prices still ruling in the Calcutta market.

Stone.—Due to absence of demand for Mirzapore stone.

Sugar and jaggery.—Increase in weight attended with decrease in earnings, and the fluctuations are due to the same causes as reported for March 1888.

N. ST. L. CARTEL, *Traffic Manager.*

TRAFFIC MANAGER'S OFFICE, JAMALPUR, the 9th June 1888.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 2nd June 1888, on 1,513½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	255,679	2,57,363 12 6	28,89,601 20	6,16,841 13 0	19,503 3 0	8,43,708 13 0	61,399	102,509	167,508
Or per mile of railway ...	170 0 3	170 0 3	1917 20	407 7 11	12 11 2	559 6 4	...	...	...
For previous 21 weeks of half-year ...	5,689,678	63,50,710 7 0	6,04,53,959 0	1,40,71,111 8 1	4,61,452 1 11	2,08,83,571 1 0	1,384,963	2,236,749	3,621,632
Total for 22 weeks ...	5,945,357	66,08,074 5 0	6,33,43,559 20	1,46,88,253 5 1	4,80,955 4 11	2,17,77,282 13 0	1,449,962	2,339,258	3,789,160
COMPARISON.									
Total for corresponding week of previous year ...	309,323	2,95,115 7 3	27,19,237 10	6,16,262 0 6	20,250 4 10	9,31,927 12 7	61,698	111,962	176,000
Per mile of railway corresponding week of previous year ...	...	194 7 8	...	405 11 5	13 5 4	613 8 3	...	...	...
Total to corresponding date of previous year ...	5,728,450	63,56,854 14 9	6,06,73,672 30	1,52,42,807 2 11	4,25,129 7 2	2,20,44,791 8 10	1,486,911	2,549,705	4,035,716

* The bathing festival (Dushohara) took place during the corresponding period of 1887, hence the coaching traffic shows a decrease.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 2ND JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.		TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 2ND JUNE 1888.		Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.	Per mile worked.	
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.	
1,519	9,31,928	614	1,517	8,93,709	590	1,519	93,20,468	682	1,513½	88,63,627	616
											5,16,841

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd June 1888, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	10,974	5,055 7 0	36,866 10	2,375 2 0	32 0 0	7,462 9 0	1,639	755	2,394
Or per mile of railway ...	192	88 6 1	644 20	41 8 4	0 9 0	130 7 5	...	...	...
For previous 21 weeks of half-year ...	304,473	1,57,494 10 6	18,46,320 30	157,826 5 0	4782 9 0	2,16,103 8 0	37,323	14,102	51,425
Total for 22 weeks ...	315,447	1,62,550 1 0	18,83,193 0	158,201 7 0	814 9 0	2,23,566 1 0	38,962	14,857	53,819
COMPARISON.									
Total for corresponding week of previous year ...	12,518	5,559 1 6	49,555 0	2,853 6 0	27 7 3	8,439 14 9	1,563	1,161	2,717
Per mile of railway corresponding week of previous year ...	219	97 3 0	865 0	49 14 2	0 7 8	147 8 10	...	...	...
Total to corresponding date of previous year ...	308,935	1,57,840 1 3	18,22,715 30	177,291 6 9	1,069 12 3	2,36,101 4 3	36,550	21,367	57,917

* Deducted No. of passengers 6,183 and Rs. 6,313
† Added Mds. 41,362-30 and " 1,989
‡ Deducted " 47 } on account of differences between the approximate and audited returns to week ended 28th April 1888.

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 2ND JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.		TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 2ND JUNE 1888.		Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.	Per mile worked.	
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.	
57½	8,460	148	57½	7,468	130	57½	87,844	171	57½	84,623	164
											3,221

* Deducted Rs. 4,371, being the difference between the approximate and audited returns from 1st to 28th April 1888.

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd June 1888, on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	3,356	557 4 0	15,206 0	614 4 0	7 5 0	1,218 13 0	201 1/2	292	403 1/2
Or per mile of railway	47 4 4			53 11 0	0 9 9	101 9 1			
For previous 21 weeks of half-year	*65,470	*11,086 14 0	†1,523,975 30	†10,728 2 0	†204 3 6	22,019 3 0	6,852 1/2	3,511	10,363 1/2
Total for 22 weeks	68,826	11,644 2 0	4,03,181 30	11,372 6 0	211 8 6	23,238 0 6	7,654	3,803	10,857
COMPARISON.									
Total for corresponding week of previous year	3,353 1/2	569 4 2	15,378 30	314 14 0	4 12 3	888 14 5	246	247	493
Per mile of railway corresponding week of previous year	47 7 0			26 3 10	0 6 4	74 1 2			
Total to corresponding date of previous year	68,640 1/2	11,526 2 0	4,55,204 20	12,843 10 0	182 14 6	24,552 10 0	6,655	4,263	10,917

* Added No. of passengers 259 and Rs. 141 0 0 }
 † 1110 mds. 4,354-20 and .. 170 0 0 } on account of differences between the approximate and audited returns to week ended 28th April 1888.
 ‡ Deducted .. 22 0 0 }

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 2ND JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 2ND JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	889	74	12	1,219	102	12	11,742	109	12	*10,765	100	.....	977

* Added Rs. 289, being the difference between the approximate and audited returns from 1st to 28th April 1888.

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd June 1888, on 74 1/2 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	5,735	4,083 6 0	81,042 20	4,160 0 0	123 0 0	8,366 6 0	671	1,449 1/2	2,120 1/2
Or per mile of railway	.....	54 9 5	.....	55 9 10	1 10 4	111 13 7	.....	.....	.....
For previous 21 weeks of half-year	*113,709	*82,119 14 0	†18,20,822 30	†84,142 11 0	†2,182 13 0	1,08,415 8 0	14,019	31,286	45,305
Total for 22 weeks	119,444	86,203 4 0	19,01,865 10	88,302 11 0	2,303 15 0	1,70,811 14 0	14,699	52,736 1/2	47,435 1/2
COMPARISON.									
Total for corresponding week of previous year	5,783	6,781 14 0	99,008 0	4,340 10 0	72 0 9	11,194 8 0	643	1,318	1,961
Per mile of railway corresponding week of previous year	.....	90 10 8	.....	58 0 6	0 15 5	149 10 7	.....	.....	.....
Total to corresponding date of previous year	134,339	1,02,592 12 8	22,82,947 30	1,03,305 2 6	2,298 0 6	1,08,195 15 8	16,400	27,883	44,283

* Deducted No. of passengers 1,099 and Rs. 561 0 0 }
 † 1110 mds. 84,712-30 and .. 574 0 0 } on account of differences between the approximate and audited returns to week ended 28th April 1888.
 ‡ Ditto .. 5 0 0 }

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 2ND JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 2ND JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74 1/2	11,105	150	74 1/2	8,366	112	74 1/2	88,880	120	74 1/2	*70,856	105	.....	16,884

* Deducted Rs. 1,140, being the difference between the approximate and audited returns from 1st to 28th April 1888.

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 2nd June 1888, on 32½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	19,950	4,817 13 0	7,227 30	277 13 0	6 8 0	5,102 2 0	905	63	968
Or per mile of railway	.....	216 8 6	.....	13 7 9	0 4 8	230 4 11	.....	.....	.....
For previous 21 weeks of half-year	474,415	1,24,827 14 0	1,73,589 10	16,405 15 0	2140 13 3	1,31,383 9 3	18,931	1,573	20,504
Total for 22 weeks	494,365	1,29,645 11 0	1,80,816 0	16,683 12 0	156 4 3	1,39,185 11 3	19,836	1,636	21,472
COMPARISON.									
Total for corresponding week of previous year	21,837½	5,767 2 3	8,827 30	326 0 0	5 4 3	6,098 6 6	888	80	968
Per mile of railway, corresponding week of previous year	.....	250 3 2	.....	14 10 5	0 3 9	274 1 4	.....	.....	.....
Total to corresponding date of previous year	493,495½	1,21,832 10 5	1,76,975 0	16,445 10 0	171 5 0	1,28,149 0 5	20,864	1,202	22,066

* Added No. of engs 6,365 and Rs. 706 }
 † Ditto Mds. 1-30 .. 10 } on account of differences between the approximate and audited returns to week ended 28th April 1888.
 ‡ Deducted .. 10 }

Approximate Statement of gross receipts of the Tarkeessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI. Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 2ND JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 2ND JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
32½	6,098	274	22½	5,102	229	22½	57,888	289	22½	*60,633	303	2,745	.....

* Added Rs. 706, being the difference between the approximate and audited returns from 1st to 28th April 1888.

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B. Dacca, K. and D., and ASSAM-BEHAR SECTIONS.)

Approximate Return of Traffic for week ended 2nd June 1888, on 676 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	169,979	61,554 0 0	5,90,982 0	82,294 0 0	29,000 0 0	1,63,848 0 0	29,506	21,907	51,413
Or per mile of railway	251	91 0 0	874 0	124 0 0	15 0 0	228 0 0	.....	.....	.....
For previous 21 weeks of half-year	2,747,379	14,84,648 0 0	11,352,248 0	6,14,042 0 0	3,04,583 0 0	*34,03,273 0 0	467,201	495,702	(a) 962,903
Total for 22 weeks	2,917,358	15,46,202 0 0	11,913,230 0	16,96,336 0 0	3,24,583 0 0	35,67,121 0 0	487,757	517,609	1,005,366
COMPARISON.									
Total for corresponding week of previous year	191,074	(b) 72,706 0 0	475,720 0	69,376 0 0	17,239 0 0	1,59,351 0 0	29,055	16,324	45,379
Or mile of railway corresponding period of previous year	280	113 0 0	738 0	108 0 0	112 0 0	233 0 0	.....	.....	.....
Total to corresponding date of previous year	3,012,089	14,00,572 0 0	12,286,279 0	16,85,433 0 0	2,78,769 0 0	33,64,704 0 0	465,170	437,107	*898,276

* Audited up to week ending 28th April 1888.

(a) Ditto ditto 12th May 1888.

(b) Due to Bishahra bathing festival which took place earlier in the previous half year.

† Excluding steam-boat earnings.

FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 2ND JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 2ND JUNE 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
645	1,50,800	234	576	1,65,388	243	645	12,84,101	221	676	*13,03,214	241	19,113	.....

* Audited up to 28th April 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 2nd June 1888, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	33,134	9,083 0 0	42,271 0	3,041 0 0	75 0 0	12,109 0 0	3,617	1,700	5,316
Or per mile of railway	265	73 0 0	338 0	24 0 0	1 0 0	98 0 0	.....	.....	.....
For previous 21 weeks of half-year	545,641	1,89,078 0 0	1,002,164 0	68,958 0 0	4,020 0 0	*2,02,063 0 0	74,900	37,610	112,510
Total for 22 weeks	578,775	1,98,161 0 0	1,104,435 0	71,999 0 0	4,101 0 0	2,74,261 0 0	78,517	39,310	117,826
COMPARISON.									
Total for corresponding week of previous year	647,112	22,924 0 0	41,063 0	2,980 0 0	95 0 0	23,170 0 0	3,858	1,562	5,420
Per mile of railway corresponding period of previous year	527	178 0 0	328 0	23 0 0	1 0 0	202 0 0	.....	.....	.....
Total to corresponding date of previous year	685,516	2,03,434 0 0	903,882 0	59,804 0 0	1,003 0 0	2,61,308 0 0	78,472	37,880	116,352

* Audited up to 28th April 1888.

a Ditto 12th May 1888.

b Due to Dasahara bathing festival which took place earlier in the corresponding period.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 2ND JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 2ND JUNE 1888.			Total increase in 1888-87.	Total decrease in 1888-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
125	Rs. 25,179	Rs. 202	125	Rs. 12,109	Rs. 98	125	Rs. 1,21,336	Rs. 108	125	Rs. *1,07,533	Rs. 90	.....	Rs. 13,803

* Audited up to 28th April 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd June 1888, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	12,160	4,155 0 0	24,582 0	1,091 0 0	100 0 0	5,346 0 0	2,141	963	3,104
Or per mile of railway	141	48 0 0	286 0	13 0 0	1 0 0	62 0 0	.....	.....	.....
For previous 21 weeks of half-year	2,48,511	80,347 0 0	307,430 0	17,462 0 0	8,700 0 0	1,11,518 0 0*	44,947	20,307	65,254
Total for 22 weeks	300,671	94,502 0 0	332,612 0	18,553 0 0	8,800 0 0	1,16,864 0 0	47,088	21,270	68,358
COMPARISON.									
Total for corresponding week of previous year	12,000	3,095 0 0	5 00,534 0	5 2,508 0 0	344 0 0	5,947 0 0	2,070	276	2,346
Per mile of railway corresponding period of previous year	140	36 0 0	704 0	29 0 0	4 0 0	69 0 0	.....	.....	.....
Total to corresponding date of previous year	286,743	94,516 0 0	437,451 0	31,400 0 0	4,822 0 0	1,30,747 0 0	52,912	21,355	74,267

* Audited up to week ending 28th April 1888.

a Ditto 12th May 1888.

b Includes 50,000 maunds and Rs. 2,235 for ballast trains.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 2ND JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 2ND JUNE 1888.			Total increase in 1888-87.	Total decrease in 1888-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
86	Rs. 5,946	Rs. 69	86	Rs. 5,346	Rs. 62	86	Rs. 47,211	Rs. 55	86	Rs. *45,206	Rs. 53	.....	Rs. 2,005

Audited up to week ending 28th April 1888.

ASSAM-BEHAR STATE RAILWAY.

(PUBNAH SECTION.)

Approximate Return of Traffic for week ended 2nd June 1888, on 39 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	2,655	Rs. A. P. 840 0 0	MDS. S. 22,460 0	Rs. A. P. 2,104 0 0	Rs. A. P. 22 0 0	Rs. A. P. 2,966 0 0	546	546	1,092
per mile of railway ...	68	21 0 0	573 0	54 0 0	1 0 0	76 0 0	.....	.....	.....
or previous 21 weeks of half-year ...	59,961	22,082 0 0	551,028 0	45,531 0 0	952 0 0	*68,565 0 0	11,466	11,466	(a) 22,932
Total for 22 weeks ...	62,616	22,922 0 0	573,488 0	47,635 0 0	974 0 0	71,531 0 0	12,012	12,012	24,024
COMPARISON.									
Total for corresponding week of previous year ...	2,932	917 0 0	14,252 0	1,307 0 0	34 0 0	2,258 0 0	539	539	1,078
per mile of railway corresponding week of previous year ...	75	23 0 0	365 0	34 0 0	1 0 0	53 0 0	.....	.....	.....
Total to corresponding date of previous year ...	23,831	7,891 0 0	121,516 0	22,899 0 0	231 0 0	31,021 0 0	5,005	5,005	16,010

* Audited up to week ending 28th April 1888.
(a) Ditto ditto 12th May 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Bihar State Railway.

RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 2ND JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 2ND JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
39	Rs. 2,258	58	39	Rs. 2,966	76	39	Rs. 31,021	88	39	Rs. *31,191	89	170	.....

* Audited up to week ending 28th April 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd June 1888, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week ...	3,127	Rs. A. P. 1,298 5 10	MDS. S. 4,577 30	Rs. A. P. 314 7 0	Rs. A. P. 12 4 0	Rs. A. P. 1,535 0 10	509	254	763
per mile of railway ...	115	47 5 0	168 0	11 9 0	0 7 0	56 5 0	.....	.....	.....
or previous 21 weeks of half-year ...	68,608	25,260 10 2	3,13,677 10	17,788 9 0	417 12 0	43,472 15 2	10,689	9,025½	19,714½
Total for 22 weeks ...	71,735	26,475 0 0	3,18,255 0	18,103 0 0	430 0 0	45,008 0 0	11,189	9,279½	20,468½
COMPARISON.									
Total for corresponding week of previous year ...	4,885	1,724 15 3	9,315 0	662 15 0	25 12 0	2,413 10 3	509	254	763
per mile of railway corresponding period of previous year ...	168	63 5 0	343 6	24 5 0	0 15 0	89 9 0	.....	.....	.....
Total to corresponding date of previous year ...	67,474½	25,450 0 9	2,75,767 0	16,160 6 11	567 11 7	42,177 3 3	11,270	7,420½	18,690

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 2ND JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 2ND JUNE 1888.			Total increase in 1887-88.	Total decrease 1887-88.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
27½	Rs. 2,414	89	27½	Rs. 1,535	66	27½	Rs. 10,123	64	27½	Rs. 15,981	65	.....	144

TIRHOOT STATE RAILWAY

Approximate Return of Traffic for the week ending 2nd June 1888, on 259 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN MILES RUN		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week on 259 miles open	36,555½	Rs. A. P. 13,454 0 3	Mds. s. 1,84,742 10	Rs. A. P. 17,248 8 0	Rs. A. P. 3,141 2 0	Rs. A. P. 34,245 10 3	5,838	6,416	12,254
Or per mile of railway	141	53 8 0	713 0	68 10 0	2 14 0	123 0 0*	.....	.....	.....
For previous 51 weeks of half-year	9,14,812½	3,52,911 15 9	41,23,578 3 1	4,46,152 8 0	58,000 14 0	8,67,734 5 0	129,704	* 102,714	232,418
Total for 23 weeks	251,808	3,66,706 0 0	43,09,326 0	4,63,404 0 0	71,811 0 0	9,01,978 0 0	135,543	169,130	304,673
COMPARISON.									
Total for corresponding week of previous year on 249 miles open	38,590½	14,483 5 4	1,49,321 20	14,224 2 0	2,755 3 5	31,463 10 9	6,429	6,079	12,508
Per mile of railway corresponding week of previous year	155	58 3 0	600 0	57 2 0	0 13 0	116 2 0*	.....	.....	.....
Total to corresponding date of previous year	849,431½	3,25,791 7 0	30,64,386 20	3,61,306 15 6	70,729 1 8	7,57,417 8 8	1,28,177	130,943	259,120

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 4TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 2ND JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 4TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 2ND JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
249	31,463	126	259	34,944	132	249	3,05,685	130	259	3,44,197	148	38,512	.....

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Rs.

Approximate earnings for week ending 26th May 1888	...	...	11,877
Corresponding week last year	...	...	9,783
Increase	...	...	2,094
Receipts from 1st January to 26th May 1888	...	...	1,99,138
From 1st January to 25th May 1887	...	...	1,63,720
Increase	...	...	35,418
Miles open week ending 26th May 1888	...	...	51
Corresponding week last year	...	...	51
Receipts per mile open week ending 26th May 1888	...	...	Rs. A. P. 232 14 1
Corresponding week last year	...	...	191 13 5
Increase	...	...	41 0 8



The Calcutta Gazette.

EXTRAORDINARY.

CALCUTTA, MONDAY, JUNE 18, 1888.

Government of Bengal.

JUDICIAL DEPARTMENT.

THE following is published for general information.

By order of the Lieutenant-Governor of Bengal,

J. WARE EDGAR,
Chief Secretary to the Govt. of Bengal.

HOME DEPARTMENT.

NOTIFICATION.

PUBLIC.

Simla, the 17th June 1888.

OFFICIAL intelligence having been received from Her Majesty's Secretary of State for India that the funeral of His late Imperial Majesty the Emperor of Germany will take place to-morrow, the 18th instant, the Governor-General in Council directs that, as a mark of respect to His Imperial Majesty's memory, flags shall be hoisted half mast high from sunrise to sunset, and sixty minute guns fired in all forts and stations throughout India on that day. The Governor-General in Council further directs that the Officers of Her Majesty's Civil, Military and Marine Services do put themselves into mourning till the 7th of July.

By order of the Governor-General in Council,

A. P. MACDONNELL,

Secretary to the Government of India.



SUPPLEMENT TO. The Calcutta Gazette.

WEDNESDAY, JUNE 20, 1888.

OFFICIAL PAPERS.

Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.

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REVIEW OF THE TRANSACTIONS OF THE FINE FUND OF THE PROVINCIAL STATE RAILWAYS FOR 1887-88.

No. 1954R.A.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

RAILWAY.

Dated Calcutta, the 9th June 1888.

READ—

Government of India, Financial Department, Resolution No. 427, dated 28th June 1880.

Letter No. 375, dated 7th May 1888, from the Manager, Eastern Bengal State Railway.

Letter No. 1775, dated 9th May 1888, from the Manager, Nalhati State Railway.

Letter No. 3471, dated 10th May 1888, from the Manager, Tirhoot State Railway.

Read also—

Resolution No. 1459R.A., dated 29th June 1887.

Observations.—On the 1st April 1887, the Eastern Bengal State Railway came under the control of this Government, and for special and economical reasons the Northern Bengal, Kaunia and Dhurlla and Dacca State Railways were placed under the management of the Eastern Bengal State Railway. Later on the portion of the Assam-Bihar Section of the Assam-Bihar State Railway was also placed under the same management, the whole being considered as one Railway system, and the review of the Fine Fund of the Eastern Bengal State Railway System comprises therefore the transactions on all the Railways mentioned above.

2. The review for all lines for the year 1887-88 have been received, and are summarized in the following table:—

RAILWAYS.	RECEIPTS.				EXPENDITURE.			Balance at end of 1887-88.
	Balance on 1st April 1887.	Fines.	Interest.	Total.	Disbursements.	Refunds.	Total.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Eastern Bengal State Railway	8,525 10 0	7,291 5 5	313 1 8	16,130 1 1	7,685 1 3	182 14 0	7,867 15 3	8,262 1 10
Tirhoot State Railway	790 14 2	1,129 1 0	26 10 0	1,946 9 8	1,891 12 0	17 2 9	1,908 14 9	637 10-11
Nalhati State Railway	178 6 2	50 3 6	4 15 1	233 8 9	129 9 8	.....	129 9 8	103 15 6

3. Under the head of Expenditure the principal disbursements were as follows:—

Eastern Bengal State Railway.—Institute Rs. 1,580 ; Schools Rs. 2,050 ; Volunteering Rs. 1,270-11-3 ; Amusements Rs. 450 ; Assistance to employes Rs. 2,334-6.

Tirhoot State Railway.—Institute Rs. 610 ; Compensation Rs. 252 ; Amusements Rs. 150 ; Schools Rs. 25 ; Medicines Rs. 48-6 ; Volunteering Rs. 200.

Nalhati State Railway.—Schools Rs. 77 ; Institute Rs. 52 ; Dispensary Re. 0-9-3.

RESOLUTION.—The reduction of the balances of the funds still continues, it being borne in mind that the present employes should benefit, as far as possible, from the receipts that have accrued during their term of service. The balance of the fund on the Eastern Bengal State Railway System still seems, however, unnecessarily high. Rupees 1,078-3-6 was expended on the Eastern Bengal State Railway in supplying menial and line staff employed on out-door work, and who have consequently to undergo exposure, with blankets ; Rs. 356-4 have been advanced on loan to employes to assist them in sending their children to school ; and Rs. 142 have been advanced to the Volunteer Prize Fund : the two latter amounts are recoverable.

ORDER.—Ordered that a copy of this Resolution be forwarded to the Government of India, in the Public Works Department, and to the Managers of the Bengal Provincial Railways for information, and that the Resolution be published in the *Calcutta Gazette*.

By order of the Lieutenant-Governor of Bengal,

E. J. MARTIN,

Offg. Secy. to the Govt. of Bengal,
P. W. Dept.

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government during the week ending the 16th June 1888.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL.			
Western Districts.			
BURDWAN DIV.	1 Burdwan June 16, '88	0.69	Weather—extremely hot with light breeze from the west. Prospects good. Sowings of the season nearly complete. Anxiety is felt at the absence of general rain. Common rice still 22 seers per rupee.
	• Culna ...	0.79	
	• Cntwa ...	0.11	
	• Raneegunge ...	2.43	
	2 Bankoora „ 16, '88	0.10	
PRESIDENCY DIV.	3 Birbhum „ 16, '88	0.77	Weather—sultry. Rain wanted for sowing of paddy throughout the district. If it does not rain soon, the seed-plants that are above the ground will die. No appreciable change in the rice market. Weather—very sultry. Rain urgently needed for ploughing. Sugarcane thriving.
	• Rampur Haut ...	0.58	
	4 Midnapur „ 16, '88	0.04	
	5 Hugli „ 16, '88	Nil	
	• Serampur ...	0.35	
PRESIDENCY DIV.	• Jehanabad ...	2.35	Weather—abnormally hot. State and prospects of crops good. Excessive heat. Rain greatly wanted. Paddy seedlings and jute suffering.
	• Howrah „ 18, '88	Nil	
	Central Districts.		
	6 24-Perghs. June 19, '88	Nil	
	7 Nuddea „ 16, '88	0.42	
PRESIDENCY DIV.	• Kooztea ...	Nil	Weather—abnormally hot and close. Aus rice, jute, and sugarcane doing well. Ploughing and sowing continue. Temperature extremely high and hardly tolerable. In the north boro rice harvest still in progress. Aus rice wants rain badly, but reports are favourable. Indigo manufacture going on well. Itain urgently wanted everywhere.
	• Meherpur ...	0.24	
	• Choodanga ...	0.10	
	• Itanaghat ...	0.28	
	8 Khoolna „ 16, '88	0.03	
PRESIDENCY DIV.	9 Jessore „ 16, '88	0.83	Weather—oppressively hot. North-wester on afternoon of 15th. More rain wanted for young aus in Bagirhat; elsewhere it looks well. Cultivation in progress. The week was very hot until yesterday (15th), when a good shower fell. Rain badly wanted. Harvesting of til going on. Sowing of amun dhan progressing. Young aus plants are thriving.
	• Jhenidah ...	0.12	
	• Magooria ...	4.22	
	• Narail ...	0.04	
	• Bongong ...	1.21	
PRESIDENCY DIV.	10 Moorshedabad „ 16, '88	Nil	Weather—exceedingly hot. No rain during during the week, except a few drops on the 15th afternoon. Sowing of amun progressing. Young aus doing well.
	• Lalbagh ...	0.05	
	• Kandi ...	Nil	
	11 Dinagepur June 16, '88	0.34	
	• Thakurgaon ...	0.95	
RAJSHAHY DIV.	12 Rajshahye „ 16, '88	0.32	Weather—very hot. Sowings of haimanti dhan continue. Prospects good. Weather—close and sultry; occasionally cloudy. Aus and amun thriving well. Harvesting of boro nearly completed; that of til commenced. Prospects of jute very good.
	• Nattore ...	1.45	
	• Nowgong ...	0.88	
	13 Rungpur „ 10, '88	0.57	
	• Kurigram ...	4.69	
RAJSHAHY DIV.	• Nilphamari ...	1.37	Weather—hot. Prospects of crops good. Aus is being reaped and amun sown. Weather—muggy. State and prospects of crops good.
	14 Bogra „ 16, '88	1.83	
	• Sherpur ...	1.81	
	• Nowkhilla ...	3.95	
	15 Pubna „ 16, '88	0.37	
RAJSHAHY DIV.	• Serajgunge ...	1.73	Weather—cloudy, and latterly excessively hot. Prospects of crops promising. Weather—unusually hot and muggy. Transplanting of winter rice going on in Terai. Hill crops doing well. Prospects generally good.
	16 Darjeeling „ 16, '88	1.43	
	17 Julpigoree „ 9, '88	8.26	
	Eastern Districts.		
	RAJSHAHY DIV.	18 Dacca ...		Return not received.	Weather—hot. Jute and amun paddy thriving. Aus paddy in low lands and til are being harvested. Prospects of crops good.
• Manickgunge ...		2.18	
• Naralingunge ...		3.92	
19 Farreedpur „ 16, '88		0.73	
• Goalundo ...		0.25	
RAJSHAHY DIV.	• Madaripur ...	0.17	Weather—very hot. Crops fair, but want of rain is beginning to tell on them a little. Weather—very hot. Prospects of crops good.
	20 Backergunge „ 15, '88	2.21	
	21 Mymensingh „ 15, '88	2.79	
	• Jamalpur ...	1.50	
	• Kishorgunge ...	2.52	
RAJSHAHY DIV.	• Atga ...	1.48	Weather—hot. Prospects of crops good, though somewhat damaged by an unusually heavy rain.
	• Netrokona ...	1.92	

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—concluded.			
Eastern Districts—concl.			
CHITTAGONG DIV.	22 Chittagong June 19, '88	1.13	Weather—hot. Cultivation progressing. Prospects fair. Prices steady.
	23 Noakholly „ 15, '88	1.27	Weather—seasonable. State and prospects of crops generally good.
	Fenny „ „	2.02	
	24 Tipperah „ 14, '88	0.90	Weather—hot and showery. Crops are coming on well.
	Beahmanbariah „ „	1.58	
CHITTAGONG DIV.	25 Chittagong Hill „ 12, '88	2.10	Weather—cloudy and rainy during the latter part of the week. Sowing in juns over. Plants thriving well. Sugarcane doing well.
	Tracts „ „	2.47	
CHITTAGONG DIV.	Hill Tipperah „ 13, '88	1.91	Weather—hot. Lands are being prepared for late rice. Chillies gathered. Sugarcane doing well.
BEHAR.			
PATNA DIV.	26 Patna June 16, '88	0.60	Weather—very hot. Rain very much wanted. Lands kept prepared for bhadoi sowings.
	27 Gya „ 16, '88	Nil	Weather—very hot. Bhadoi and paddy being sown. Sugarcane being irrigated.
	28 Shahabad „ 16, '88	Nil	Weather—exceedingly hot and sultry. Standing crops—cheena and sugarcane—in good condition. Land being prepared for bhadoi sowings.
	Sassaram „ „	0.40	
	29 Durbhunga „ 16, '88	3.20	Weather—sultry. Prospects of early rice and indigo still continue favourable. Bhadoi sowings in progress. Rain much needed. Prices remain stationary.
PATNA DIV.	30 Mozafferpur „ 16, '88	1.12	Weather—very hot and sultry. Cloudy to-day (16th). Sowing of bhadoi crops progressing rapidly. Rain urgently wanted.
	Hajepur „ „	1.13	
	Sitamarhi „ „	0.40	
	31 Saran „ 16, '88	0.19	Weather—hot and close; occasionally cloudy. Makai sowings and marua transplantation in progress. Prospects of sugarcane and indigo continue favourable. Cheena being harvested; outturn good.
	Sewan „ „	Nil	
BHAGALPUR DIV.	32 Gopalgunge „ 16, '88	0.05	Weather—excessively hot. Paddy sowings have come up well. Cutting of indigo plants has been commenced. Prospects good.
	Chumpanun „ „	1.16	
	Bettiah „ „	0.76	
	33 Monghyr „ 16, '88	0.45	Weather—excessively hot and steamy throughout the week. Bhadoi sowings in progress. More rain urgently wanted, specially in south, for paddy sowings.
	Begu-erai „ „	0.03	
BHAGALPUR DIV.	34 Bhagulpur „ 16, '88	1.24	Weather—very hot and oppressive. Ploughing going on. Rain wanted.
		Nil	
	35 Purneah „ 16, '88	Nil	Weather—hot; occasionally overcast. All crops doing well.
	Kishengunge „ „	Nil	
	A rareah „ „	0.13	
BHAGALPUR DIV.	36 Malda „ 16, '88	0.04	Weather—sultry with occasional clouds. Boro harvest now over; outturn good. Bhadoi crops doing well. Amun sowing going on. More rain now wanted in thanna: English Bazar, Malda, Ratus and Nawabgunge. Common rice selling at an average of 23½ seers per rupee.
	Chanchal „ „	0.04	
	Shibgunge „ „	0.86	
	Gajole „ „	Nil	
	37 Sonthal Pergas „ 16, '88	Nil	Weather—excessively hot and sultry. Rain wanted everywhere, especially in Deoghur. Dhan seedlings are drying. Boro dhan 12 annas.
BHAGALPUR DIV.	Deoghur „ „	0.47	
	Rajmahal „ „	0.60	
	Pakour „ „	1.09	
	Godda „ „	1.70	
ORISSA.			
ORISSA DIV.	38 Cuttack June 15, '88	0.30	Weather—very hot; occasionally cloudy without much rain. Sowing of rice in progress in places. More rain urgently required. Price of rice rising.
	39 Pooree „ 14, '88	0.33	Weather—seasonable. Winter rice (sarad) sowing going on. Daisa crop is being harvested. Common rice 21 seers, 13 chittacks per rupee in the Sudder Sub-division, and 20 seers 7 chittacks in Khoorda Sub-division.
	Khoorda „ „	1.80	
ORISSA DIV.	40 Balasore „ 15, '88	0.29	Weather oppressively hot. Rain urgently wanted. If it does not rain within a few days, much of the young rice will perish.
CHOTA NAGPORE.			
South-West Frontier Agency.			
CHOTA NAGPORE DIV.	41 Hazaribagh June 16, '88	0.27	Weather—bright and clear; very hot and dry. Rain wanted everywhere for early sowings of paddy. Sugarcane doing well.
	42 Lohardugga „ 16, '88	0.5	Weather—hot. Slight rain during the week. More rain urgently wanted. Rice and Indian corn being sown. Prices steady.
	43 Singbhoom „ 15, '88	1.23	Rain in the early part of the week. Sky clear. Weather intensely hot again. Rice being sown. Sugarcane doing well. Cotton being gathered.
	44 Manbhoom „ 16, '88	0.05	Weather intensely hot. Rain badly wanted. Everywhere paddy seedlings are withering, and will suffer much unless the rains break soon. Sugarcane is growing. Rice sells at from 16 to 24 seers per rupee.
CHOTA NAGPORE DIV.	Govindpore „ „	Nil	

Published for general information.

CALCUTTA, REVENUE DEPT.;
The 19th June 1888.P. Naray,
Secy. to the Govt. of Bengal.

Results of the Meteorological Observations taken at the Alipore Observatory from 10th to 16th June 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 5 th Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1888.				Inches.	°	°	°	°	°	Inches.	°	%			Inches.	
June	10th	156.4	9.2	29.471	87.1	94.4	15.2	79.2	81.0	0.978	78.6	77	N and variable ...	98	Nil	Chiefly cloudy.
"	11th	164.0	9.2	407	89.5	98.7	18.7	80.0	81.4	0.965	75.2	71	SSW, WSW and variable.	105	"	Partially cloudy
"	12th	153.6	5.9	418	91.0	103.2	18.9	84.3	83.0	1.021	9.9	72	S by W, S and variable.	176	"	Partially cloudy.
"	13th	155.5	2.8	469	92.2	105.0	23.1	81.9	83.4	1.028	80.1	70	SW by S, SSE and variable.	145	"	Partially cloudy.
"	14th	157.9	2.6	466	94.2	106.6	24.5	82.1	83.5	1.010	79.5	66	SSE and variable ...	132	"	Chiefly cloudy.
"	15th	165.4	5.3	415	91.0	103.7	18.9	84.8	82.6	1.003	79.3	70	SSW and variable ...	137	"	Chiefly cloudy, O, R, t.
"	16th	147.2	Nil.	439	88.2	94.4	14.7	79.7	81.3	0.975	78.5	73	S and SSW	224	"	Chiefly cloudy, O.

The mean pressure of the seven days ... 29.441

The average pressure of the corresponding period for 24 years, S. G.'s Office ... 29.548

The total number of hours of bright sunshine ... 40.0

The maximum possible number of hours of sunshine ... 94.2

The mean temperature of the seven days ... 90.5

The average temperature of the corresponding period for 24 years, S. G.'s Office ... 85.0

The extreme variation of temperature ... 27.4

The maximum temperature ... 106.6

The highest velocity of the wind in one hour ... 17

The highest pressure of wind on one square foot ... Not measurable.

The mean relative humidity ... 71

The average relative humidity of the corresponding period for 24 years, S. G.'s Office ... 81

The total fall of rain from 10th to 16th June 1888 ... Nil.

The average fall of the corresponding period for 24 years, S. G.'s Office ... 2.98

The total fall from 1st January to 16th June 1888 ... 14.73

The average fall of the corresponding period for 24 years, S. G.'s Office ... 15.32

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h. 10h. 16h. and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, t thunder.

A. PEDLER,

For Off. Meteorological Reporter to the Govt. of India.

Meteorological Office, GOVT. OF INDIA;

Calcutta, the 18th June 1888.

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.												
			AIR PRESSURE.			WIND.		TEMPERATURE.							
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature & variation from normal mean of week.	
ORISSA.	P.oores	P.oores	29.572	29.594	—	WSW & Calm	298.3	92.1	15th June	77.1	11th June	91.0	82.3	86.7	—
		Gopalpore	29.538	29.580	—0.04	S	360.0	91.2	15th "	78.3	12th "	89.1	81.9	85.5	+0.8
	Cuttaek	False Point	29.531	29.572	—0.82	South-westerly	305.0	105.0	14th "	77.6	10th & 11th June	96.4	81.5	86.0	+3.0
		Cuttaek	29.483	29.561	—0.48	W	106.0	111.4	14th "	77.0	11th "	105.6	82.7	94.2	+5.3
	Balasore	Balasore	29.479	29.537	—0.50	Calm	128.5	113.0	15th "	76.7	9th "	100.8	81.8	91.2	+4.3
	South-West Midnapore	Saugor Island	29.508	29.534	—0.09	SSW	412.0	98.2	15th "	81.8	9th "	95.3	83.4	90.4	+4.1
		South 24-Pergunnahs	Midnapore	29.403	29.543	—0.05	SW	128.2	112.4	14th "	73.8	12th "	104.6	82.1	93.4	+0.1
	24-Pergunnahs	Calcutta	29.409	29.521	—0.43	Westerly	120.0	106.8	15th "	77.6	9th "	99.2	81.4	90.3	+4.8
	Howrah	Burdwan	29.417	29.514	—0.09	Westerly	69.4	108.7	15th "	74.4	13th "	101.7	80.5	91.1	+4.5
	Hooghly	Bankoora	29.217	—	—	Westerly	101.0	111.6	14th "	77.5	10th & 11th June	103.0	81.5	92.2	—
SOUTH-WEST BENGAL.	Beerbhoom	Raneegunge	29.190	29.489	—0.77	South-westerly	87.3	111.5	14th "	75.9	9th "	102.0	81.4	92.2	+0.4
		West Burdwan	Berhampore	29.454	29.524	—0.06	Variable	77.6	98.7	13th "	77.3	10th "	95.2	80.1	87.7	+1.4
	Moorshedabad	Krishnaghar	29.437	29.502	—	Variable	88.1	100.8	15th "	77.2	9th "	97.0	83.7	89.2	+3.4
	Nuddea	Jessore	?	?	?	Variable	110.8	101.8	15th "	77.4	10th "	97.1	80.6	88.9	+3.1
	Jessore	Chittagong	29.511	29.600	—0.05	E	96.0	97.2	12th "	71.5	13th "	89.8	78.6	83.2	—1.6
	Khoolna	Chittagong Hill Tracts	Demaziri	Observations not received.											
	Backergunge	Barrisal	29.533	29.545	—0.05	SSE	90.8	91.8	15th "	75.9	10th "	93.3	80.2	86.3	+4.3
	Noakholly	Noakholly	29.540	29.581	—	SE	—	88.5	15th "	76.0	13th "	86.9	79.0	83.3	—
	Furreedpore	Furreedpore	29.509	29.548	—0.01	southerly	88.0	95.5	13th "	72.9	13th "	91.7	78.2	85.0	+2.6
	Dacca	Dacca	29.518	29.540	—0.06	SSE	93.0	95.1	13th "	72.1	13th "	90.2	78.9	84.0	+1.2
EAST BENGAL.	Commillah	Commillah	29.527	29.561	—0.03	SSE	100.1	92.3	13th "	71.8	13th "	90.4	77.1	84.9	+1.0
		Mymensingh	Mymensingh	29.501	29.535	—0.01	E	103.1	90.8	12th "	74.1	15th "	87.8	76.7	82.3	+1.3
	Bogra	Bogra	29.467	29.530	—0.70	Calm & E	85.5	94.8	13th "	73.8	14th "	89.7	78.8	83.2	+0.3
	Pubna	Serajpore	29.403	29.530	—0.06	ENE	55.3	91.1	13th "	72.7	13th "	90.0	75.9	85.0	+0.2
	Rajshahye	Rampore Beau	29.460	29.533	—0.48	SE	33.7	95.3	12th & 13th June	65.7	13th "	92.4	73.8	83.1	—1.3
	Maldah	Maldah	29.436	—	—	SE	47.6	102.2	13th "	73.3	9th "	100.4	78.4	80.4	—
	Dinapore	Dinapore	29.412	29.500	—0.23	SSE	94.0	94.1	13th "	77.1	15th "	91.0	78.5	84.8	+1.3
	Rungpore	Rungpore	29.437	29.501	—0.06	SE	137.0	93.8	13th "	75.7	14th & 15th June	90.6	78.0	83.3	—1.9
	Julpigoree	Julpigoree	29.206	29.551	—1.12	NE	76.7	90.0	14th "	71.8	15th & 16th June	85.8	73.8	79.8	—1.9
	Cooch Behar	Darjeeling Hill Tracts	Darjeeling	22.840	—	—0.04	Variable	108.0	69.1	14th "	83.1	11th "	96.7	55.8	61.1	+1.7
NORTH BENGAL.	Purneah	Purneah	29.420	29.551	—0.40	Calm & Easterly	23.9	95.2	12th "	73.6	10th "	92.2	78.6	83.9	—1.3
		Mozufferpore	Mozufferpore	Observations not received.											
	Durbbunga	Durbbunga	29.803	29.527	—0.42	ESE	94.0	97.4	14th & 15th June	75.3	9th "	95.8	81.0	88.1	+1.3
	Chumprann	Motihari	29.292	29.514	—0.50	ESE	107.8	99.8	13th "	69.8	9th "	93.8	77.7	87.2	—0.2
	Sarun	Chupra	29.327	29.514	—0.55	Variable	147.9	101.0	13th "	77.1	9th "	90.5	81.4	85.6	—0.3
	Shahabad	Delree	29.167	29.509	—0.17	W	148.0	114.5	14th "	78.0	9th "	107.8	84.4	93.9	+6.7
		Buxar	29.274	29.509	—0.36	WNW	142.5	109.4	14th "	79.2	9th "	108.6	83.7	93.7	+5.9
	Arrah	Arrah	29.317	29.508	—0.35	North-westerly	109.4	110.4	14th "	76.8	9th "	104.8	81.8	88.2	+1.7
	Gya	Gya	29.146	29.510	—0.30	Variable	128.2	113.0	14th "	76.8	9th "	106.9	77.9	83.3	+1.9
	Patna	Bankipore	29.345	29.583	—0.50	Variable	73.8	109.1	14th "	75.7	9th "	102.9	81.8	85.4	+3.1
FOURTH BENGAL.	South Bhagulpore	Bhagulpore	29.330	29.519	—0.46	E	51.0	97.4	12th & 13th June	77.5	10th "	94.2	80.3	87.4	+0.4
		Sonthal Pergunnahs	Doomka	29.030	—	—	Southerly	78.9	106.7	15th "	76.7	10th "	100.2	80.9	90.8
	Hazariabagh	Hazariabagh	27.587	29.519	—0.11	NW	260.1	100.0	14th "	75.6	9th "	99.8	80.0	89.9	+4.6
	Lohardugga	Manchae	27.467	29.577	—0.17	Variable	149.8	103.5	14th "	72.9	10th "	98.9	78.5	83.7	+1.9
	Manbhooda	Ohysbasa	28.779	—	—	W	68.7	109.8	13th & 14th June	78.0	9th "	101.1	83.4	92.8	—
	Singhbhoom	Sibsagar	28.267	29.509	—0.90	North-westerly	88.0	93.6	16th "	75.5	12th "	88.4	77.1	82.8	—
	Dhubri	Dhubri	29.447	29.563	—0.05	Calm	103.1	91.2	14th "	75.8	11th "	88.8	77.3	83.2	+4.6
	Silchar	Silchar	29.488	29.593	—0.15	Calm	63.0	91.5	10th "	75.3	14th "	88.5	78.0	83.7	+4.6
	Assam.														

Explanation. — Summary. — The normal means of air pressure and temperature are the arithmetic averages or means of the readings during the year. The humidity of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear day is denoted by 0, a cloudy day by 1, a rainy day by 2, and a foggy day by 3. The numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional meteorological stations in the district, and is expressed in inches divided by the number of stations. A rainy day is one on which at least 0.01 inch of rain has fallen.

for the week ending Friday, the 15th of June 1888.

DISTRICT OBSERVATIONS.															Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing station.	OF WEEK.		RAINFALL.												
			Mean for district.	Normal mean.	Since 1st of month.			Since May 15th.			Average number of rainy days.	Normal number of rainy days.					
					Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.							
83	5.1	0.19	0.80	1.48	1.27	2.08	-1.41	3.00	4.40	-1.40	3.0	2.7	Pooree ...	Pooree ...	ORISSA.		
76	2.7	2.20	—	—	—	—	—	—	—	—	—	—	Gopalpore ...	Pooree ...			
67	6.0	0.41	—	—	—	—	—	—	—	—	—	—	False Point ...	Pooree ...			
40	4.7	0.44	0.70	1.63	1.28	2.87	-1.59	3.55	4.90	-1.44	2.0	2.6	Cuttack ...	Cuttack ...			
68	3.4	0.26	0.13	1.43	1.29	3.00	-1.71	6.50	5.00	+0.50	0.5	2.5	Balasore ...	Balasore ...	SOUTH-WEST BENGAL.		
73	6.9	0.00	0.18	1.96	0.63	3.93	-3.30	3.60	0.19	-2.59	1.3	3.5	Saugor Island ...	South-West Midnapore			
44	1.8	Nil.	0.02	1.79	2.06	4.00	-1.94	4.80	6.06	-1.26	0.7	2.6	Midnapore ...	South 24-Pergunnahs			
57	2.6	Nil.	0.67	2.20	3.93	4.68	-0.75	7.30	7.33	-0.03	0.5	3.3	Calcutta ...	24-Pergunnahs...			
55	1.6	1.00	0.37	2.10	3.79	4.27	-0.48	5.40	6.89	-1.49	1.3	2.9	Burdwan ...	Howrah ...	SOUTH-WEST BENGAL.		
47	3.6	0.10	0.19	1.96	2.08	4.08	-2.00	4.56	6.10	-1.54	1.5	3.3	Bankoora ...	Hooghly ...			
56	1.3	2.41	0.82	2.10	2.33	3.81	-1.48	4.07	5.79	-1.72	0.8	3.0	Raneegunge ...	Burdwan ...			
75	5.4	0.11	0.20	2.11	3.13	4.04	-0.91	5.13	7.15	-2.12	1.2	2.8	Berhampore ...	Beerbhoom ...			
62	2.3	0.43	0.16	2.50	2.33	5.23	-2.84	4.32	8.73	-4.41	0.8	3.0	Krishnaghar ...	West Burdwan ...	SOUTH-WEST BENGAL.		
75	5.0	0.55	0.38	3.11	3.39	6.12	-2.53	4.69	9.40	-4.71	1.4	3.6	Jessore ...	Moorsheadabad..			
83	8.6	2.26	2.39	7.03	3.67	13.64	-10.07	13.04	18.92	-5.88	3.3	5.0	Chittagong ...	Nuddea ...			
62	8.1	2.35	0.77	4.04	3.17	8.96	-5.79	4.62	12.85	-8.23	1.0	4.4	Demagiri ...	Jessore ...			
—	9.9	1.42	1.47	6.80	4.88	13.52	-8.64	5.90	18.27	-8.37	2.5	4.4	Barrisal ...	Khoulna ...	SOUTH-WEST BENGAL.		
83	4.3	1.18	0.70	3.17	2.42	6.59	-4.17	5.31	10.92	-5.61	1.5	4.1	Noakholly ...	Chittagong Hill Tracts			
82	6.6	2.10	2.65	3.81	4.64	6.82	-2.18	8.90	10.76	-1.86	2.0	4.7	Furzedpore ...	Backergunge ...			
79	3.7	1.08	1.48	4.76	4.09	8.89	-3.80	12.22	13.20	-0.98	2.5	4.3	Dacca ...	Noakholly ...			
86	7.4	1.62	2.66	4.90	4.84	9.16	-4.32	18.43	13.71	+4.72	3.2	4.1	Mymensingh ...	Furzedpore ...	SOUTH-WEST BENGAL.		
79	4.0	1.33	1.39	2.80	3.36	6.42	-3.06	12.46	10.86	+1.60	2.3	3.2	Bogra ...	Dacca ...			
82	5.1	1.24	0.24	2.78	3.40	6.03	-2.63	9.87	9.84	+0.03	2.5	3.7	Seragunge ...	Commillah ...			
77	2.6	0.30	0.80	2.40	2.15	4.85	-2.70	5.01	8.20	-3.19	2.0	3.0	Rampore Beaulah ...	Mymensingh ...			
64	5.1	0.03	0.02	2.40	0.76	4.13	-3.37	3.22	6.95	-3.73	0.5	3.2	Maldah ...	Pubna ...	NORTH BENGAL.		
77	6.6	0.58	0.17	3.43	2.27	6.11	-3.84	9.88	10.39	-0.51	0.4	3.4	Dinapore ...	Rajshahye ...			
83	2.7	0.77	1.15	4.79	4.57	9.35	-4.08	13.69	16.76	-3.06	1.8	4.1	Rangpore ...	Maldah ...			
88	1.1	4.15	3.64	8.15	9.81	14.15	-4.34	16.29	23.26	-6.97	3.2	5.3	Julpigoree ...	Dinapore ...			
94	7.9	1.22	4.08	7.38	7.82	11.11	-3.29	12.60	18.11	-5.51	4.3	5.6	Darjeeling ...	Cooch Behar ...	NORTH BENGAL.		
76	1.7	Nil.	0.48	3.10	2.70	4.48	-1.78	8.57	7.59	+0.98	0.6	2.7	Purneah ...	Darjeeling Hill Tracts			
73	2.6	3.29	1.15	1.61	3.76	2.38	+1.38	6.60	3.84	+2.76	0.7	1.8	Mozufferpore ...	Purneah ...			
67	2.9	0.83	0.90	1.90	2.04	2.86	+0.82	4.58	4.21	+0.37	1.0	2.0	Durbhunga ...	North Bhagulpore ...			
65	0.3	0.21	0.08	1.47	1.13	1.96	-0.83	2.05	3.06	-1.01	0.7	1.3	Motihari ...	Mozufferpore ...	NORTH BENGAL.		
30	0.6	0.07	—	—	—	—	—	—	—	—	—	—	Chupra ...	Durbhunga ...			
29	0.9	Nil.	0.10	1.02	0.49	1.20	-0.77	1.05	2.18	-1.13	0.6	1.6	Buxar ...	Chunparjun ...			
40	0.4	0.21	—	—	—	—	—	—	—	—	—	—	Dhree ...	Saran ...			
37	2.1	Nil.	0.39	1.11	0.63	1.30	-0.68	1.00	2.87	-1.87	0.3	1.8	Gya ...	Shahabad ...	SOUTH BENGAL.		
56	1.8	0.60	0.15	1.07	0.83	1.47	-0.66	1.92	2.90	-0.98	0.3	1.7	Bankipore ...	Gya ...			
71	3.1	Nil.	0.19	1.33	1.50	2.09	-0.59	3.44	3.71	-0.29	0.4	2.3	Bhagulpore ...	Patna ...			
54	4.1	0.11	0.05	1.72	1.64	3.08	-1.44	3.51	5.62	-2.01	0.7	2.7	Doonka ...	South Bhagulpore ...			
30	2.4	0.03	0.19	1.97	0.31	2.87	-2.49	0.68	4.54	-3.86	0.4	3.1	Hazaribagh ...	Monghyr ...	CHOTA NAGPORE.		
46	2.3	0.52	0.05	1.80	1.00	3.04	-2.04	2.17	4.70	-2.53	0.5	3.0	Ranchi ...	South Bhagulpore ...			
45	1.9	0.30	0.18	1.77	1.67	2.82	-1.15	8.74	5.39	-1.65	1.0	3.9	Chabua ...	South Bhagulpore ...			
38	2.2	0.10	—	—	—	—	—	—	—	—	—	—	Sibsagar ...	South Bhagulpore ...			
39	2.3	0.04	—	—	—	—	—	—	—	—	—	—	Dhubri ...	South Bhagulpore ...	CHOTA NAGPORE.		
38	2.2	0.10	—	—	—	—	—	—	—	—	—	—	Silchar ...	South Bhagulpore ...			

When the mean for the week is less than the corresponding normal mean, and positive when greater. Under the head District observations of rainfall the normal mean is denoted by 10. Under the head District observations of rainfall the normal mean is denoted by 10. Under the head District observations of rainfall the normal mean is denoted by 10.

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 15th of June 1888.

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May.	Average rain-fall from 15th May to date.		
			Saturday, 9th June.	Sunday, 10th June.	Monday, 11th June.	Tuesday, 12th June.	Wednesday, 13th June.	Thursday, 14th June.	Friday, 15th June.	Number of rainy days.	of Rainfall week.						
CALCUTTA.	Pooree	Pooree	0.20	0.18	.....	0.10	.....	.....	.....	5	0.48	0.79	2.90	4.85	2.07
		Khurdah	0.05	0.00	.....	0.05	.....	0.07	0.06	5	1.08	2.24	3.83	3.57	4.94
		Banpur	0.15	0.50	.....	.....	.....	.....	.....	.....	.....	.....	3.44	.....	4.37
		False Point	0.18	0.25	.....	.....	.....	.....	.....	.....	.....	.....	2.25	.....	4.33
		Gop	0.08	0.80	.....	.....	.....	.....	.....	.....	.....	.....	?	.....	?
	Cuttack	Jagatsinghpore	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.82	41	2.24
		Banki	0.31	1.73	0.02	.....	.....	.....	0.04	4	1.00	3.98	2.79	3.90	4.50
		Cuttack	.....	0.30	.....	.....	.....	.....	.....	.....	.....	.....	3.89	.....	6.70
		Kondrapara	0.04	0.98	.....	.....	.....	0.24	.....	3	1.14	1.77	2.81	5.07	4.94
		Jajpore	0.18	.....	.....	.....	.....	.....	.....	1	0.18	0.66	2.94	3.54	5.47
BALASORE.	Dharmatla	Dharmatla	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	?	.....	?
		Salipore	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	?	.....	?
		Chanduli	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.80	2.70	3.10	4.97
		Bhuddruk	0.08	.....	.....	.....	.....	.....	.....	1	0.08	0.88	3.11	3.09	6.27
		Sorah	.....	0.88	.....	.....	.....	.....	.....	1	0.88	3.40	2.23	3.09	5.40
	Balasore	Balasore	.....	0.30	.....	.....	.....	.....	.....	1	0.30	1.11	2.61	3.42	5.22
		Jullasore	0.10	.....	.....	.....	.....	.....	.....	1	0.10	1.80	3.03	3.56	5.74
		Baripodah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.83	4.23	7.53	5.96
		SOUTH-WEST BENGAL.	Midnapore	Contai	0.18	1	0.18	0.23	3.27	4.01	6.06
				Saugor Island	0.00	1	0.00	0.75	4.06	4.53	6.50
Tumlook	.....			.....	.....	.....	.....	.....	.....	Nil	Nil	2.40	3.10	5.86	5.79
Midnapore	.....			.....	.....	.....	.....	.....	0.14	1	0.14	1.19	3.80	3.69	5.78
Ghatal	0.03			.....	.....	.....	.....	.....	.....	1	0.03	2.16	4.80	6.02	6.81
24-Pergunnahs.	Kukrahaty		.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.93	?	4.25	?
	Heria		.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.12	?	5.57	?
	Bhagatpore		.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.24	?	6.83	?
	Garbeta		.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.72	?	4.03	?
	Diamond Har		.....	0.15	.....	.....	.....	.....	0.18	2	0.27	0.92	3.78	3.11	5.99
Howrah	Canning Town	Canning Town	1.50	.....	.....	.....	.....	.....	0.03	2	2.15	3.17	4.77	5.28	?
		Alipore Jail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.21	4.77	5.72	7.20
		Baruaekpore	0.23	.....	.....	.....	.....	.....	.....	1	0.23	3.22	5.50	7.00	7.71
		Dum-Dum	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.23	4.89	6.80	7.61
		Barnet	2.00	.....	.....	.....	.....	.....	.....	1	2.00	5.49	4.42	8.05	7.20
	Howrah	Bumerhat	1.80	.....	.....	.....	.....	.....	.....	1	1.80	7.48	5.29	9.20	9.02
		Howrah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.58	4.91	6.39	7.14
		Mohoraka	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.47	3.42	4.22	6.50
		Hooghly	Serampore	Serampore	0.35	1	0.35	3.24	5.12	6.89	7.33
				Hooghly	Nil	Nil	8.97	4.24	11.70	6.90
Jehanabad	2.35			.....	.....	.....	.....	.....	.....	1	2.35	5.05	3.97	7.71	6.73
Burdwan	Culina			0.32	1	0.32	3.43	4.53	4.58	6.87	
	Burdwan			0.69	1	0.69	2.51	3.01	4.35	5.82	
	Cutwa		0.00	.....	0.02	.....	.....	.....	.....	2	0.11	5.44	5.16	7.14	7.99
	Ransegunge		2.43	.....	.....	.....	.....	.....	.....	1	2.43	3.39	2.51	4.37	4.33
	Manikur		.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.75	?	8.20	?
Bankura	Bankura		Bankura	0.06	0.04	2	0.10	2.82	3.80	5.29	6.14	
			Bishenpore	0.00	0.30	2	0.39	0.82	4.47	2.52	6.67	
		Mahara	0.15	.....	.....	.....	.....	.....	.....	1	0.15	2.41	3.04	4.66	5.74
		Khatra	0.12	.....	.....	.....	.....	.....	.....	1	0.12	2.25	4.06	5.70	5.78
		Indra	0.29	.....	.....	.....	.....	.....	.....	1	0.29	3.30	?	4.10	?
	Kotalpore	Kotalpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.98	?	4.99	?
		Anda	0.55	.....	.....	.....	.....	.....	.....	1	0.55	0.97	?	1.28	?
		Gangajalhati	0.09	.....	.....	.....	.....	.....	.....	1	0.09	2.32	?	3.82	?
		Kaipore	0.25	.....	.....	.....	.....	.....	.....	1	0.25	1.30	?	4.10	?
		Sonamukhi	0.17	.....	.....	.....	.....	.....	.....	1	0.17	1.94	?	4.96	?
Beerbhoom	Bh. Soory	Hetaunpore	0.77	.....	.....	.....	.....	.....	.....	1	0.77	1.97	3.92	3.59	6.03
		Retaunpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.05	4.76	3.73	6.46
		Rampore Haut	0.08	.....	.....	.....	.....	.....	.....	1	0.08	2.77	4.36	5.43	6.84
		Bulore	0.25	.....	.....	.....	.....	.....	.....	1	0.25	2.86	?	4.14	?
		Nudda	Ranaghat	0.17	1	0.17	3.28	5.03	4.43	7.87	
	Kishnaghat		0.42	.....	.....	.....	.....	.....	.....	1	0.42	3.65	4.61	4.46	7.31
	Choomdanga		.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.75	5.28	4.12	6.80
	Meherpore		0.14	.....	.....	.....	.....	.....	.....	1	0.14	2.80	5.20	4.53	5.48
	Kooshita		.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.42	6.00	2.03	6.15
	Khoolna	Sathkira	Bagirhat	0.40	0.00	0.80	3	1.20	2.61	5.37	3.91	5.33	
Khoolna			.....	.....	.....	.....	.....	.....	.....	1	0.03	3.69	6.04	4.50	5.94
.....			.....	.....	.....	.....	.....	.....	.....	1	0.03	3.77	5.98	5.98	6.67
Jessore			Narail	0.04	1	0.04	1.11	5.88	3.35	5.79	
			Jessore	0.34	0.10	0.01	3	0.05	4.32	6.92	5.24	10.40	
		Jhanidah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4.18	7.05	5.35	10.40
		Magoorah	0.05	.....	.....	.....	.....	.....	.....	1	0.05	5.84	6.07	5.27	10.19
		Bongong	.....	0.15	.....	.....	.....	.....	.....	1	0.15	3.30	5.18	4.09	5.28
Moorshedabad		Kandi	Berhampore	0.23	0.14	2	0.67	4.84	4.68	6.69	7.31	
			Lalbagh	0.11	0.17	2	0.23	1.91	4.73	4.01	7.86	
	Azamgunge		0.05	.....	.....	.....	.....	.....	.....	1	0.05	2.34	4.37	4.46	7.97
	Jungipore		0.01	.....	.....	.....	.....	.....	.....	1	0.01	3.59	3.78	5.50	7.83
	Lalgola		.....	.....	.....	.....	.....	.....	0.30	Nil	Nil	2.50	3.80	5.38	4.90
	Akhrigani	Akhrigani	0.92	.....	.....	.....	.....	.....	.....	1	0.92	3.66	3.98	5.85	7.30
		Patlabari	0.17	.....	.....	.....	.....	.....	.....	1	0.17	5.69	?	7.29	?
		Chittagong	Cor's Bazar	Chittagong	3.31	0.30	0.15	1.00	4	3.82	4.20	15.29	14.06	25.77
				Chittagong	0.21	0.01	0.78	11.90	27.04
				Kutubdia	1.18	0.80	?	?
Satkanya	0.09			0.15	0.09	0.08	.....	.....	.....	.....	.....	.....	?	.....	?
Rangamati	Rangamati			1.02	0.55	0.34	0.80	0.01	5	2.83	4.13	9.74	9.25	14.71	
	Mill Trade		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10.19	.....	25.90
	Backergunge		Patuakhali	Patuakhali	0.05	1	0.05	3.23	17.09	9.24	20.25
				Perozopore	0.90	0.01	3	0.92	3.90	7.18	9.95	12.23
				Burrisal	3.11	1	2.10	3.92	7.31	9.95	12.23
Bhola				Nil	Nil	1.44	16.27	9.24	12.23	
.....		

Geographical Division.	District.	Station.	RAINFALL.								TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May.	Average rainfall from 15th May to date.
			Saturday, 9th June.	Sunday, 10th June.	Monday, 11th June.	Tuesday, 12th June.	Wednesday, 13th June.	Thursday, 14th June.	Friday, 15th June.	Number of rainy days.	Rainfall of week.					
SOUTH BENGAL	Noakholly ..	Goverdaddi ..	2'07						1	2'07	4'67	?	7'24	?		
		Bauphal ..	0'95						1	0'95	3'19	?	7'24	?		
		Noakholly ..			0'32		0'05			2	1'25	4'24	11'81	10'14	10'49	
	Furreedpore ..	Fenny ..			0'10	1'12	0'45			3	1'67	5'40	15'22	9'63	20'43	
		Harishpore ..		0'35	0'12		0'14			3	0'61	3'26	?	11'10	?	
		Ramganj ..	0'17			0'48	1'11						?		?	
	Dacca ..	Madariopore ..	0'45				0'70		2	1'15	2'48	6'85	5'27	11'11		
		Furreedpore ..					0'25		1	0'25	2'36	6'36	5'98	10'08		
		Goalundo ..														
	Hill Tipperah Tipperah	Munshiganje ..	1'31				0'98		2	2'29	5'33	8'59	7'87	13'10		
		Dacca ..	0'26				1'00		2	1'26	3'09	6'95	8'10	11'18		
		Narainkunge ..	2'14				1'78		2	3'92	6'79	6'46	10'11	9'43		
		Manickkunge ..	1'40				0'67		2	2'06	2'73	5'24	7'73	9'29		
		Joydepore ..	0'37		1'02	0'01	0'80	1'00	5	3'20	6'26	?	15'54	?		
	Mymensingh	Agartola ..	0'65						3	1'01	2'56	7'70	8'89	12'08		
Comilla ..		0'34				0'12	0'55	3	1'01	2'56	10'27	8'89	14'79			
Chandpur ..		0'10		1'00				3	1'80	6'09	8'31	7'45	11'86			
Brahmunberia ..		0'16				2'60	0'20	3	2'44	6'75	9'25	17'63	14'11			
Ramchandrapore ..		0'73				1'75	0'48	3	2'94	5'02	?	11'41	?			
Nasirnagar ..		0'24				0'42	0'18	3	0'84	3'05	?	17'19	?			
Daudkandi ..		2'12		0'03		0'70	0'12	4	3'03	5'04	?	7'70	?			
Kaiba ..		1'40				1'35	0'75	3	3'50	6'71	?	14'48	?			
Laksham ..						1'07	0'40	2	1'47	2'17	?	6'88	?			
Pubna		Kishoreganj ..	1'27				2'11	1'30	3	3'63	8'63	11'05	28'44	15'34		
	Atia (Tangail) ..	1'48				1'07	0'14	3	2'60	3'32	7'14	7'28	10'72			
	Mymensingh ..	0'72				0'05	0'84	4	1'63	4'22	10'35	22'21	16'18			
	Jamalganj ..	0'52				1'08	2'74	3	4'34	5'88	7'41	19'16	11'84			
	Natarkona ..	0'06				0'82	0'07	3	0'95	2'38	9'61	18'37	13'71			
	Subornakhatij ..	0'10					0'82	2	0'92	6'26	?	17'58	?			
	Durgapore ..										?	?	?			
	Ducaniganj ..					0'08	1'00	2	1'08	3'87	?	10'20	?			
	Bogra ..	Pubna ..	0'17				0'20		2	0'						

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 15th of June 1888—*conold.*

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May.	Average rain-fall from 15th May to date.
			Saturday, 9th June.	Sunday, 10th June.	Monday, 11th June.	Tuesday, 12th June.	Wednesday, 13th June.	Thursday, 14th June.	Friday, 15th June.	Number of rainy days.	Rainfall week.				
NORTH BENAR.	Saran	Gopalgunge ...	0.05	...	...	...	...	...	...	1	0.05	1.48	2.13	2.60	3.28
		Bawan ...	...	...	...	...	...	...	...	Nil	Nil	0.81	2.39	1.81	3.47
SOUTH BENAR.	Shahabad	Chuprah ...	0.19	...	...	...	...	...	...	1	0.19	1.12	1.46	2.18	2.44
		Buxar ...	0.01	...	...	...	...	...	...	1	0.01	0.76	1.17	1.83	1.84
		Dehree ...	...	...	...	...	...	...	...	Nil	Nil	0.22	1.22	0.85	2.75
		Bhuboah ...	...	...	...	...	...	...	...	Nil	Nil	0.22	1.22	1.21	1.81
		Ramerain ...	0.24	...	...	...	...	...	...	1	0.24	0.52	1.25	0.75	1.95
		Arrah ...	0.25	...	...	...	...	...	...	1	0.25	0.77	1.45	1.31	2.62
		Mohania ...	1.50	...	...	...	...	...	...	1	1.50	2.10	?	2.10	?
		Gya ...	...	...	...	...	...	...	...	Nil	Nil	0.43	1.90	1.31	3.21
		Aurangabad ...	...	...	...	...	...	...	...	Nil	Nil	0.04	1.01	0.27	3.02
		Nowadah ...	...	...	...	...	...	...	...	Nil	Nil	0.12	1.54	0.41	2.83
		Jehanabad ...	1.55	...	...	...	...	...	...	1	1.55	1.91	1.11	2.18	2.41
		Arwal ...	0.70	...	...	...	...	...	...	1	0.70	1.15	?	1.87	?
		Daudnagar ...	...	...	...	...	...	...	...	Nil	Nil	0.20	?	0.20	?
		Sherrghati ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	Nil	?
		Kajuli ...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	Nil	?
		Pakri Harawan ...	0.10	...	...	...	...	...	...	1	0.10	0.30	?	0.80	?
		Patna ...	0.00	...	...	...	...	...	...	1	0.00	1.01	1.72	2.41	3.31
		Dhupor ...	...	...	...	...	...	...	...	Nil	Nil	1.37	?	2.41	?
		Behar ...	...	...	...	...	...	...	...	Nil	Nil	0.11	1.46	1.01	2.88
		Harr ...	...	...	...	...	...	...	...	Nil	Nil	1.10	1.38	2.40	2.82
		Bickram ...	...	...	...	...	...	...	...	Nil	Nil	0.30	?	0.80	?
		Hilsa ...	0.01	...	...	...	...	...	...	1	0.01	1.95	?	2.95	?
		Monghyr	Begowairai ...	...	...	...	...	...	...	Nil	Nil	0.83	2.00	1.87	3.47
		Monchyr ...	0.15	...	...	...	...	...	...	1	0.15	1.24	2.23	4.20	3.92
		Jamui ...	...	...	...	...	...	...	...	Nil	Nil	1.47	1.59	2.81	2.99
		Gogri ...	0.22	...	...	...	...	...	...	1	0.22	1.32	?	4.32	?
		Sheikhpura ...	...	...	...	...	...	...	...	Nil	Nil	0.50	?	1.84	?
		Bhukulnara ...	...	...	...	...	...	...	...	Nil	Nil	1.92	2.87	6.00	4.01
		Buxa ...	0.03	...	...	...	...	...	...	1	0.03	1.81	2.25	2.29	4.12
		Kolgung ...	...	...	...	...	...	...	...	Nil	Nil	3.20	?	7.08	?
		Sonthal Per-gunnahs	Rajmonai ...	0.09	...	...	...	...	...	1	0.09	1.39	2.97	3.56	5.94
		Godda ...	...	...	...	...	...	...	...	Nil	Nil	2.83	2.15	4.97	4.48
		Pasour ...	0.11	...	...	...	...	...	...	2	0.12	3.22	3.79	5.14	6.35
		Nya Doomka ...	0.11	...	...	...	...	...	...	1	0.11	1.92	3.44	2.65	5.74
		Doognur ...	...	...	...	...	...	...	...	Nil	Nil	0.52	3.44	1.72	4.64
		Jamtara ...	...	...	...	...	...	...	...	Nil	Nil	0.47	3.71	3.01	5.32
		Mahyama ...	...	...	...	...	...	...	...	Nil	Nil	0.63	?	?	?
		Nonthal ...	1.00	...	...	...	...	...	...	1	1.00	1.21	?	1.50	?
CHUTIA NAG-PUR.	Hazariabagh	Pachamba ...	...	...	...	...	...	...	...	Nil	Nil	0.61	3.07	4.61	4.61
		(Guridi) ...	...	...	...	...	...	...	...	Nil	Nil	0.61	2.64	1.57	4.17
		Hazaribagh ...	...	...	...	...	...	...	...	Nil	Nil	0.20	3.40	0.63	4.91
		Semakuran ...	0.51	0.07	...	...	...	...	...	2	0.58	0.84	2.73	0.09	4.33
		Mahuli Hills ...	...	...	...	...	...	...	...	Nil	Nil	0.50	2.38	0.00	4.22
		Jhoomrah Hills ...	...	0.60	...	...	...	...	...	1	0.60	1.05	?	1.11	?
		Burhi ...	...	...	...	...	...	...	...	Nil	Nil	?	?	0.05	?
		Chitra ...	...	...	...	...	...	...	...	Nil	Nil	1.39	?	1.70	?
		Karagdeha ...	...	...	...	...	...	...	...	Nil	Nil	?	?	1.35	?
		Kamphur ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?
		Lohardugga	Lohardugga ...	...	...	...	...	...	...	Nil	Nil	0.82	1.62	1.93	4.46
		Kanoni ...	0.80	...	...	...	...	...	...	2	0.80	1.24	3.18	2.96	5.15
		Paimow ...	0.07	0.11	...	...	...	...	...	2	0.18	0.23	2.00	0.46	3.45
		Sili ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?
		Bisumat ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?
		Mossabad ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?
		Gurwah ...	...	...	...	...	...	...	...	Nil	Nil	0.40	?	0.40	?
		Singbhoom	Cuyecases ...	0.18	...	...	...	...	...	1	0.18	1.67	3.93	3.74	5.48
		Chakradhar-pore ...	1.17	0.25	...	...	...	...	...	2	1.42	2.55	?	4.13	?
		Ghatilla ...	0.25	...	...	...	...	...	...	1	0.25	2.34	?	3.75	?
		Bakaragura ...	...	...	...	...	...	...	...	Nil	Nil	1.87	?	6.59	?
		Manbhoom	Puruha ...	0.05	...	...	...	...	...	1	0.05	1.98	3.33	2.98	5.40
		Gobindpore ...	...	...	...	...	...	...	...	Nil	Nil	0.02	2.75	1.87	3.95
		Raghunath-pore ...	...	...	...	...	...	...	...	Nil	Nil	0.55	?	1.59	?
		Burrabhoom ...	...	...	...	...	...	...	...	Nil	Nil	0.81	?	2.90	?
		Jhalda ...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?
		Chas ...	...	...	...	...	...	...	...	Nil	Nil	0.00	?	1.88	?

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 19th June 1888.

**SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS
TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 15TH OF
JUNE 1888.**

The meteorological conditions obtaining over the province at the close of the previous week were those which characterise the hot weather in Bengal, though the winds blowing were decidedly more moist than usual. Moderate and fairly general rain had been received in the week ending the 8th instant, but the rainfall can scarcely be said to have been brought up by the true south-west monsoon current; for the wind systems had been more like the hot weather distribution, than that characteristic of the true rainy season. On the first day of the present week pressure fell rapidly in South-East Bengal, and there was a distinct tendency to cyclonic circulation of winds. A moist south-easterly wind current however prevailed over a large part of the province, though northerly winds were reported at some of the stations in Behar, Chutia Nagpur and West Bengal. Showers on this day were received generally over the whole of Bengal and Assam. On the following day conditions had not changed very largely, but the low pressure of the previous day in South-East Bengal had developed into a distinct barometric depression, the centre of which was probably over the Sunderbans, and which was accompanied by a distinct cyclonic circulation of winds, though their velocities were small. On this day also showers were reported, but they were far less numerous than on the preceding day, and they were to a considerable extent confined to South-East Bengal and Orissa. On Monday, the 11th, the very feeble depression had advanced inland and was near Jessore; on this day rainfall was to a great extent absent over the province, and temperature commenced to rise rapidly. On the 13th pressure continued low over the central parts of the province, and there was a fairly distinct circulation of winds round it. Dry westerly winds set in at the western stations, though they were north-westerly at the northern stations and south-westerly at the southern stations; while elsewhere winds were south-easterly and easterly. With the setting in of these westerly winds, temperature again rose rapidly at the western stations, and the mean temperature varied from 5° to 10° above the normal at many of the western stations. On the 14th a very distinct area of low pressure existed in Central Bengal, and the lowest pressure in the whole province was reported from Krishnaghur, while winds showed a distinct cyclonic circulation round it. Again, the western and south-western stations were affected by the hot dry winds blowing in a westerly and north-westerly direction, and on this day most excessive temperatures were recorded, the mean temperatures at the western stations being about 8° to 10° above the normal for the day. On the 15th the area of low pressure had moved a little in a westerly direction, and it was near Burdwan, and with the similar wind distribution which obtained again, most excessive temperatures were reported. With the formation of the feeble depression over the centre of the province, moist southerly winds continued to flow in over the east of the province, and fairly general rain set in on the 13th and 14th in East and North Bengal, though the remainder of the province was practically rainless from about the 10th.

The principal facts of the meteorology of the past week have therefore been a most excessive temperature over the greater part of the province, particularly in the western and south-western districts, unusually low pressure, and absence of rain from most districts. The weather has been in fact of a most unusual character, and instead of the south-west monsoon current flowing over Bengal at this time and giving abundant rain as it normally should do, the greater part of the strength of the monsoon seems to have been deflected in an easterly direction, and it has thus given exceptionally heavy rain at many of the stations in Burma.

Pressure.—Has been generally below the normal and, as stated above, a low-pressure area has existed over the south of the province for some days. In fact the mean pressure for the week at many of the southern stations has been nearly a tenth of an inch below the normal, and thus at Saugor Island the defect has been 0.099 inch, at Chittagong 0.095 inch, and at Dacca 0.096 inch. At the inland stations the defects have generally been considerably smaller than this, and for the whole province the mean pressure has been in defect of the normal by only 0.064 inch. In Assam, pressure has been below the normal by 0.089 inch.

Temperature.—As stated before, the past week has been noticeable on account of the high temperature registered on some days. The temperature generally was highest on Thursday, the 14th, and the mean temperature of the 24 hours from 10 A.M. of the 14th to 10 A.M. of the 15th was above the normal of the day by the following amounts: at Balasore 16.1° , at Midnapore 13.9° , at Calcutta 10.5° , and at Burdwan 10.1° . The maximum temperature recorded at the Alipore Observatory (Calcutta) on the 14th was 106.8° . The highest previously recorded temperature since the establishment of the observatory in 1874 has been 105.6° on April 14th, 1884, the next highest was 105.5° on April 15th, 1885, so that the temperature on this day was certainly 1.2° higher than any in Calcutta of which there are thoroughly reliable records, or rather records comparable with those made at the present time. A higher temperature than this even was recorded on this day, the 14th of June 1883, at the Chowringhee Observatory, and the maximum thermometer indicated no less than 107.2° . Very high maximum temperatures were also recorded at other stations:—thus Dehree registered 114.5° on the 14th, Gya 113.6° on the 14th, Balasore 113° on the 15th, Midnapore 112.4° on the 14th, and several other stations temperatures above 110° . The mean temperature for the whole week has been nearly 4° in excess of the normal in Chutia Nagpur, Orissa, and South-West Bengal, about 2° above it in East Bengal and South Behar, while temperature has been nearly normal in North Bengal and North Behar. For the whole province of Bengal temperature has been more than 2° above the normal. In Assam temperature has been 0.4° in excess of the normal.

Rainfall.—The only rainfall of importance has been in East and North Bengal, which have received an average of about one and-a-half inches; North Behar and Orissa have received an average fall of half an inch; and South-West Bengal about a third of an inch. South Behar and Chutia Nagpur have received average falls of less than two-tenths of an inch. In all cases, therefore, rainfall has been very largely below the normal.

In Assam the following rainfalls have been recorded during the week:—Silchar 4.79 inches, Sibsagar 1.03 inches, and Dhubri 0.05 inch.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 15th of June 1888:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average num- ber in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	113.0	76.7	96.6	82.0	80.0	+8.4	0.50	1.51	-1.01	1.5	3.6	-1.1	1.21	3.80	3.72	5.08
South-West Bengal	112.4	73.8	90.6	81.5	80.6	+3.5	0.38	2.30	-1.92	1.0	3.2	-2.2	2.94	4.06	5.13	7.39
East Bengal	97.3	71.5	89.9	78.2	81.1	+1.6	1.75	4.67	-2.92	2.3	4.4	-2.1	4.04	9.17	10.45	15.49
North Bengal	102.2	65.7	91.4	70.8	83.9	-0.5	1.36	4.32	-2.96	1.8	3.8	-2.0	4.33	8.10	11.21	13.70
North Behar	101.0	68.3	95.2	79.2	87.2	-0.4	0.60	2.07	-1.47	0.7	2.1	-1.4	2.55	5.96	5.58	4.64
South Behar	114.5	75.7	102.8	81.5	92.2	+2.4	0.14	1.28	-1.14	0.4	2.1	-1.7	1.06	1.94	2.39	5.57
Chutia Nagpur	106.0*	72.9*	99.2*	79.3*	89.3*	+4.1*	0.17	1.51	-1.34	0.7	3.1	-2.4	0.71	2.71	1.99	4.55
Assam	93.6	75.3	88.9	77.1	83.0	+0.4										

* Chyabassa not included.

METEOROLOGICAL OFFICE, BENGAL;
The 19th June 1888.

A. PEDLER,
Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 10th to 16th June 1888.

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1888.		°	°	°	°	°	Inches.	°	%	Inches.
June	10th	87.0	96.0	16.2	79.8	81.0	.978	78.6	76	Nil.
"	11th	89.1	101.0	21.2	79.8	80.9	.945	77.5	69	"
"	12th	Observations not taken owing to repairs of the shed.								
"	13th									
"	14th									
"	15th	90.1	107.2	19.8	85.0	81.8	.975	78.5	88	"
"	16th	87.0	95.8	15.2	80.6	81.4	.998	79.2	78	"

The mean temperature of the four days

The extreme variation of temperature

The maximum temperature

The mean relative humidity

The total fall of rain from 10th to 16th June 1888

The mean temperature and humidity are obtained by applying to the mean of the 10th, 11th, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;
The 18th June 1888.

A. PEDLER,
For Offg. Meteorological Reporter to the Govt. of India.

MEMORANDUM.

THE birth and death returns of the principal Municipalities in Bengal yield the following results for the week ending 2nd June 1888 :—

1. The ratios per mille of births and deaths for the period above referred to stand at—births 15·8, and deaths 19·6; the corresponding figures of the preceding week ending 26th May, being 18·4 and 22·6 respectively, indicating a falling off in the registration of both the events.

2. In the following Municipalities births and deaths are reported to have been recorded at the highest rates :—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Bhagulpore	...	37	Darjiling	...	32·6
Monghyr	...	32·5	Gya	...	32·2
Gya	...	30·8	Chittagong	...	30·5
			Suburbs of Calcutta	...	29·6

3. In comparison with the results of the preceding week, there was a diminution of mortality, to a more or less extent, from all the diseases, excepting small-pox, *vide* figures given below :—

						Ratio per mille during the weeks ending—	
						2nd June 1888.	26th May 1888.
Cholera	...	...	...	...	...	3·0	3·6
Small-pox	...	...	...	...	...	1	·03
Fever	...	...	...	...	...	7·9	3·7
Bowel-complaints	...	...	...	...	...	2·9	3·0
Injury	...	...	...	...	...	4	7
Other causes	...	...	...	...	...	5·3	6·5

4. Of the above-named diseases, cholera and the maladies classed under the head of "Other causes" were more fatal to life in the following Municipalities :—

Cholera.			Other causes.		
		Ratio per mille.			Ratio per mille.
Chittagong	...	14·1	Puri	...	12·7
Suburbs of Calcutta	...	6·8	Serampore	...	11·8
Patna	...	5·8	Midnapore	...	10·8
Durbhunga	...	3·9			
Gya	...	3·4			

5. The mortality of the week classified under the heads of Sex, Class and Age stood as follows :—

According to Sex.		According to Class.		According to Age.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	20·3	Christians	21·7	Under 1 year	144·1
Females	18·3	Hindus	19·2	1 and under 5 years	33·2
Ratio of male deaths to every 100 female deaths	128	Mahomedans	20·7	5 " 10 "	13·1
		Other classes	26·4	10 " 15 "	13·1
				15 " 20 "	12·0
				20 " 30 "	10·9
				30 " 40 "	12·8
				40 " 50 "	14·3
				50 " 60 "	20·2
				60 years and upwards	42·6

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

The 16th June 1888.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 2nd June 1888.

[illegible]

MORTALITY ACCORDING TO—

[illegible]

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,
The 16th June 1888.

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner, for Bengal.

PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing quantities of Goods carried during the month of April 1888.

ORISSA CIRCLE.

TALDUNDIAH CANAL SYSTEM.

LENGTH OF CANAL OPEN { TALDUNDIAH CANAL, 27 MILES.
MACHGONG " 4 "

c & s Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
20	1. Grain ...	4	326	330	6,850	330	6,850
...	2. Cotton ...	.....	.....	.....	.....	.....	.....
1	3. Oilseeds ...	.....	1	1	75	1	75
.....	4. Salt ...	.....	.....	.....	.....	.....	.....
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
20	7. Building materials ...	.....	284	284	757	278	657
4	8. Miscellaneous ...	2	31	33	4,385	33	4,385
5	9. Fuel ...	.....	37	37	230	37	230
22 rafts	10. Timber ...	.....	181 No.	181 No.	417	181 No.	417
30 "	11. Bamboos ...	.....	22,800 "	22,800 "	382	22,800 "	382
50 & 52 rafts.	12. Total ...	6 {	679 & 22,981 No.	685 & 22,981 No.	13,096 {	679 & 22,981 No.	12,996
91 & 36 rafts.	13. Total of same month last year	..... {	1,037 & 29,167 No.	1,037 & 29,167 No.	9,632 {	918 & 29,167 No.	9,363
14. Total number of boats plying cargo No.		Up. 2	Down. 48	Total. 50	Total tollage of month— 24 + 25 + 26 ...		Rs. A. P. 373 1 9
15. Total number of boats plying passenger No.		15	.....	15	Total tollage of same month last year ...		510 2 6
15½. Total number of empty boats ... No.		65	22	87	Memorandum of Tollage.		
16. Total registered tonnage, cargo ... Tons		21	1,118	1,139			
17. Total registered tonnage, passenger ... Tons		462	.....	462			
18. Ton-mileage ...		1,512	21,242	22,754	Rs. A. P.		
19. Estimated value of cargo Rs.		100	12,197	12,297			
20. Number of passengers ...		774	.....	774			
21. Rafts, bamboos No.		.....	22,800	22,800	1. Balance not recovered on the 1st of the month ...	187 14 4	
22. Do., bullahs "		.....	181	181	2. Tollage per month ...	373 1 9	
23. Estimated value of rafts Rs.		.....	799	799	3. Total ...	511 0 1	
24. Tollage on boats Rs.		106-10-9	222-2-0	328-12-9	4. Amount credited in the accounts of the month ...	882 10	
25. Compounded tollage on boats ... Rs.		.....	.....	.....	5. Balance due at the end of the month ...		
26. Tollage on rafts "		.....	44-5-0	44-5-0			
27. Total tollage on boats per ton-mile ...		.....	.....	0-0-2-77			
28. Total tollage on rafts per 100 cubic feet ...		.....	.....	.....

KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

Number of boats & rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	
		Up.	Down.	Total.	Rupees.	Tons.	
284	1. Grain ...	1,086	2,003	3,089	1,58,810	3,089	1,58,810
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....
8	3. Oilseeds ...	.....	62	62	6,970	62	6,970
12	4. Salt ...	23	43	66	6,100	66	6,100
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
120	7. Building materials ...	2	1,551	1,553	12,590	949	10,609
195	8. Miscellaneous ...	761	474	1,235	2,82,470	1,235	2,82,470
6	9. Fuel ...	8	18	26	70	26	70
10 rafts	10. Timber ...	.....	2,324 No.	2,324 No.	5,600	2,324 No.	5,600
10 "	11. Bamboos ...	.....	91,500 "	91,500 "	1,500	91,500 "	1,500
325 & 10 rafts	12. Total ...	1,880	{ 4,151 & 93,824 No. }	{ 6,031 & 93,824 No. }	{ 4,74,110 }	{ 5,427 & 93,824 No. }	{ 4,72,120 }
68 & 10 rafts.	13. Total of same month last year	{ 2,172 }	{ 2,473 & 71,071 No. }	{ 4,645 & 71,071 No. }	{ 4,42,720 }	{ 3,871 & 71,071 No. }	{ 4,38,320 }
		Up.	Down.	Total.			Rs. A. P.
Total number of boats plying cargo No.		284	341	625	Total tollage of month— 24 + 25 + 26 ...		6,983 10 0
Total number of boats plying passenger No.		39	46	85	Total tollage of same month last year ...		6,113 11 0
Total number of empty boats No.		254	353	607	Memorandum of Tollage.		
Total registered tonnage, cargo Tons		3,314	6,333	9,647	Rs. A. P.		
Total registered tonnage, passenger Tons		991	1,117	2,108	1. Balance not recovered on the 1st of the month ...		
Ton-mileage ...		123,217	208,529	331,746	6,925 3 5		
Estimated value of cargo Rs.		2,32,140	2,34,870	4,67,010	2. Tollage per month ...		
Number of passengers ...		1,368	1,385	2,753	6,983 10 0		
Rafts, timber No.		.....	91,500	91,500	Deduct amount erroneously charged on B. I. S. N. Co. during March 1888 ...		
Do., bamboos "		.....	2,324	2,324	3 0 0		
Estimated value of rafts ...		.....	7,100	7,100	3. Total ...		
Tollage on boats Rs.		2,722-4-6	4,055-7-9	6,777-12-3	13,905 13 5		
Compounded tollage on boats ... Rs.		.....	.....	.....	4. Amount credited in the accounts of the month		
Tollage on rafts "		.....	205-13-9	205-13-9	3,912 6 8		
Total tollage on boats per ton-mile ...		.....	.....	0-0-4	5. Balance due at the end of the month ...		
Total tollage on rafts per 100 cubic feet ...		.....	.....	0-8-6	10,893 6 9		

HIGH LEVEL CANAL, RANGE I.

LENGTH OF CANAL OPEN, 34 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	
		Up.	Down.	Total.	Rupees.	Tons. Rupees.	
158	1. Grain ...	515	.....	515	32,950	515	32,950
3	2. Cotton ...	.....	9	9	1,300	9	1,300
.....	3. Oilseeds ...	.....	.....	.....	.....	.....	.....
40	4. Salt ...	.....	163	163	13,590	163	13,590
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
82	7. Building materials ...	176	750	926	1,790	178	1,240
157	8. Miscellaneous ...	429	119	548	17,990	548	17,990
48	9. Fuel ...	307	.....	307	850	307	850
.....	10. Timber ...	.....	.....	.....	.....	.....	.....
1 raft	11. Bamboos ...	.....	1,200 No.	1,200 No.	20	1,200 No.	20
488 & 1 raft.	12. Total ...	1,427	{ 1,041 & 1,200 No.	2,468 & 1,200 No.	68,490	{ 1,720 & 1,200 No.	67,940
419 & 6 rafts.	13. Total of same month last year	{ 1,182 & 1,124 No.	517 & 1,500 No.	1,699 & 2,624	95,910	{ 1,642 & 2,624	95,810
		Up.	Down.	Total.			Rs. A
14.	Total number of boats plying cargo No.	352	136	488	Total tollage of month—24 + 25 + 26 ...		999 4
15.	Total number of boats plying passenger No.	1	2	3			.
15½.	Total number of empty boats No.	140	243	383	Total tollage of same month last year ...		892 12
16.	Total registered tonnage, cargo Tons	2,790	1,761	4,551	Memorandum of Tollage.		
17.	Total registered tonnage, passenger Tons	1	3	4			Rs. A.
18.	Ton-mileage ...	35,567	13,576	49,145			.
19.	Estimated value of cargo Rs.	38,160	30,310	68,470	1. Balance not recovered on the 1st of the month ...		176 5
20.	Number of passengers ...	3	8	11			
21.	Rafts, bamboos No.	.....	1,200	1,200	2. Tollage per month ...		999 4
22.	Do., bullahs "	.....	.....	.....
23.	Estimated value of rafts ...	.....	20	20			
24.	Tollage on boats Rs.	670-2-0	328-6-3	998-8-3	3. Total ...		1,175 10
25.	Compounded tollage on boats Rs.	.....	.....	.....	4. Amount credited in the accounts of the month ...		789 8
26.	Tollage on rafts "	.....	0-12-0	0-12-0			
27.	Total tollage on boats per ton-mile ...	.....	.....	0-0-4			
28.	Total tollage on rafts per 100 cubic feet ...	.....	.....	0-1-0	5. Balance due at the end of the month ...		386

HIGH LEVEL CANAL, RANGE II:

LENGTH OF CANAL OPEN, 12½ MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
83	1. Grain ...	256	4	260	260	11,024	
.....	2. Cotton ...	.....	.....	.....	.....	.....
17	3. Oilseeds ...	.....	41	41	41	3,798	
4	4. Salt ...	.....	27	27	27	3,730	
2	5. Piece-goods ...	.....	2	2	2	600	
.....	6. Metal ...	.....	.....	.....	.....	.....
103	7. Building materials ...	18	934	952	952	1,430	
10	8. Miscellaneous ...	2	36	38	38	5,991	
3	9. Fuel ...	.....	1	1	1	10	
10 rafts	10. Timber ...	21 No.	245 No.	266 No.	266	243 No.	227
23 "	11. Bamboos ...	.....	8,200 "	8,200 "	8,200	8,200 "	820
222 & 33 rafts.	12. Total ...	{ 276 & 21 No.	{ 1,045 & 8,445 No.	{ 1,321 & 8,466 No.	{ 365 & 8,443 No.	{ 27,663	{ 26,200
410 & 53 rafts.	13. Total of same month last year ..	{ 331 & 100 No.	{ 584½ & 12,928 No.	{ 915½ & 13,028	{ 50,511	{ 556½	{ 49,851
		Up.	Down.	Total.			Rs. A. P.
14.	Total number of boats plying cargo ... No.	84	138	222	Total tollage of month—24+25+26 ...		557 15 3
15.	Total number of boats plying passenger ... No.	.....	1	1	Total tollage of same month last year ...		462 6 0
15½.	Total number of empty boats ... No.	145	89	234			
16.	Total registered tonnage, cargo ... Tons	552	2,090	2,642			
17.	Total registered tonnage, passenger ... Tons	.....	2	2	Memorandum of Tollage		
18.	Ton-mileage ...	15,714	24,366	40,080			Rs. A. P.
19.	Estimated value of cargo Rs.	10,674	15,909	26,583	1. Balance not recovered on the 1st of the month ...		.....
20.	Number of passengers ...	121	120	241	2. Tollage per month ...		557 15 3
21.	Rafts, bamboos ... No.	.....	8,200	8,200	3. Total ...		557 15 3
22.	Do., timber ...	21	245	266	4. Amount credited in the accounts of the month ...		556 4 3
23.	Estimated value of rafts ...	5	1,075	1,080	5. Balance due at the end of the month ...		1 11 0
24.	Tollage on boats Rs.	158-12-6	373-10-9	532-7-3			
25.	Compounded tollage on boats ... Rs.	.....	.....	.....
26.	Tollage on rafts ...	0-1-9	25-6-3	25-8-0			
27.	Total tollage on boats per ton-mile ...	.....	.....	0-0-2-5			
28.	Total tollage on rafts per 100 cubic feet ...	.....	.....	0-4-9			

HIGH LEVEL CANAL, RANGE III.

LENGTH OF CANAL OPEN, 19 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupces.	Tons.	Rupces.	
47	1. Grain ...	116	.....	116	6,223	116	6,223	
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....
3	3. Oilseeds ...	.....	11	11	962	11	962	
1	4. Salt ...	4½	.....	4½	440	4½	440	
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
29	7. Building materials ...	.....	261½	261½	9 3	.....	.....
7	8. Miscellaneous ...	.....	28½	28½	3,633	28½	3,633	
1	9. Fuel ...	.....	1½	1½	12	1½	12	
1 raft	10. Timber ...	.....	13 No.	13 No.	3	13 No.	3	
1 „	11. Bamboos ...	150 No.	„ „	150 „	2	150 „	2	
84 & 2 rafts.	12. Total ...	120½ & 150 No.	302½ & 13 No.	423 & 163 No.	12,188	161½ & 163 No.	11,275	
132 & 2 rafts.	13. Total of same month last year.	170	132	302 & 24 No.	19,925	211 & 24 No.	19,702	
		Up.	Down.	Total.			Rs. A. P.	
14.	Total number of boats plying cargo No.	48	40	88	Total tollage of month— 24 + 25 + 26 ...		173 7 6	
15.	Total number of boats plying passenger No.	.....	.....	.....	Total tollage of same month last year ...		128 6 3	
15½.	Total number of empty boats No.	48	49	97				
16.	Total registered tonnage, cargo Tons	241	605	846	Memorandum of Tollage:			
17.	Total registered tonnage, passenger Tons	.....	.....	.....	
18.	Ton-mileage ...	4,216	6,038	10,254			Rs. A. P.	
19.	Estimated value of cargo Rs.	5,520	6,663	12,183	1. Balance not recovered on the 1st of the month ...		.....
20.	Number of passengers ...	113	186	299	2. Tollage per month ...		173 7 6	
21.	Rafts, bamboos No.	150	.....	150	3. Total ...		173 7 6	
22.	Do., timber „	.....	13	13	4. Amount credited in the accounts of the month ...		173 7 6	
23.	Estimated value of rafts ...	2	3	5	5. Balance due at the end of the month ...		Nil	
24.	Tollage on boats Rs.	61-9-3	111-5-0	172-14-3				
25.	Compounded tollage on boats Rs.	.....	.....	.....	
26.	Tollage on rafts „	0-1-6	0-7-9	0-9-3				
27.	Total tollage on boats per ton-mile ...	.....	.....	0-0-3-2				
28.	Total tollage on rafts per 100 cubic feet „	.....	.....	0-5-8				

SOUTH-WESTERN CIRCLE.

MIDNAPORE CANAL.

LENGTH OF CANAL OPEN, 53 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupces.	Tons.	Rupces.	
422	1. Grain ...	1,820	594	2,414	1,35,045	2,414	1,35,045	
1	2. Cotton ...	...	1	1	260	1	260	
58	3. Oilseeds ...	88	317	405	41,150	405	41,150	
112	4. Salt ...	...	1,356	1,356	1,26,715	1,356	1,26,715	
2	5. Piece-goods ...	...	1	1	2,350	1	2,350	
22	6. Metal ...	59	139	198	1,99,050	198	1,99,050	
26	7. Building materials ...	294	18	312	758	312	758	
574	8. Miscellaneous ...	1,341	523	1,864	1,89,142	1,864	1,89,142	
55	9. Fuel ...	185	560	745	6,362	745	6,362	
30 rafts	10. Timber ...	7,509 c. ft.	1,257 c. ft.	8,766 c. ft.	7,345	8,766 c. ft.	7,345	
3 "	11. Bamboos ...	1,500 "	125 "	1,625 "	80	1,625 "	80	
1,272 & 33 rafts.	12. Total ...	{ 3,787 & 9,009 c. ft.	{ 3,509 & 1,382 c. ft.	{ 7,296 & 10,391 c. ft.	{ 7,08,257	{ 72.96 & 10,391 c. ft.	{ 7,08,257	
1,290 & 44 rafts.	13. Total of same month last year.	{ 3,822 & 14,900 c. ft.	{ 2,817 & 753 c. ft.	{ 6,639 & 15,653 c. ft.	{ 7,28,739	{ 6,639 & 15,653 c. ft.	{ 7,28,739	
		Up.	Down.	Total.				Rs. A. P.
14.	Total number of boats plying cargo No.	838	434	1,272	Total tollage of month—24+25+26 ...			6,062 13 0
15.	Total number of boats plying passenger No.	367	426	793	Total tollage of same month last year ...			5,395 4 0
15½.	Total number of empty boats ... No	177	850	1,027	Memorandum of Tollage.			
16.	Total registered tonnage, cargo. Tons	10,536	7,897	18,433				
17.	Total registered tonnage, passenger. Tons	1,709	1,752	3,461				
17½.	Total registered tonnage, empty. Tons	1,067	3,862	4,929				Rs. A. P.
18.	Ton-mileage ...	1,95,827	2,00,080	3,95,907	1. Balance not recovered on the 1st of the month			5,152 2 8
19.	Estimated value of cargo Rs.	2,31,049	4,69,783	7,00,832	2. Tollage per month ...			6,062 13 0
20.	Number of passengers ...	2,500	6,280	8,780	3. Total ...			11,214 15 8
21.	Rafts, bamboos c. ft.	1,500	125	1,625				
22.	Do., timber "	7,509	1,257	8,766				
23.	Estimated value of rafts Rs.	5,066	2,359	7,425				
24.	Tollage on boats "	3,050-3-3	2,943-6-9	5,993-10-0				
25.	Compounded tollage on boats ... Rs.	.....	.....	.....	
26.	Tollage on rafts "	57-2-0	12-1-0	69-3-0	4. Amount paid into treasury during the month			7,191 5 6
27.	Total tollage on boats per ton-mile Pie	.....	.....	0-0-2-9				
28.	Total tollage on rafts per 100 c. ft. Rs.	.....	.....	0-10-7	5. Balance due at the end of the month			4,023 10 2

HIDGELLER TIDAL CANAL.

LENGTH OF CANAL OPEN, 29 MILES.

Number of boats or rafts.	Description.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
147	1. Grain ...	1,326	.....	1,326	48,965	1,326	48,965	
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....
1	3. Oilseeds ...	.....	4	4	300	4	300	
28	4. Salt ...	.....	259	259	27,050	259	27,050	
3	5. Piece-goods ...	.....	7	7	3,050	7	3,050	
2	6. Metal ...	.....	4	4	800	4	800	
3	7. Building materials ...	.....	12	12	1,050	12	1,050	
252	8. Miscellaneous ...	108	323	431	62,222	431	62,222	
16	9. Fuel ...	12	112	124	1,440	124	1,440	
2 rafts	10. Timber ...	.....	79 c. ft.	79 c. ft.	194	79 c. ft.	194	
.....	11. Bamboos ...	.....	.....	.....	.....	.....	.....
452 & 2 rafts	12. Total ...	1,446	271 & 79 c. ft.	2,167 & 79 c. ft.	1,45,071	2,167 & 79 c. ft.	1,45,071	
1,345 & 7 rafts.	13. Total of same month last year.	4,103 & 286 c. ft.	1,347 & 134 c. ft.	5,450 & 420 c. ft.	2,95,534	5,447 & 420 c. ft.	2,95,034	
		Up.	Down.	Total.				Rs. A. P.
14.	Total number of boats plying cargo No.	180	272	452	Total tollage of month—24 + 25 + 26 ...			2,221 1 0
15.	Total number of boats plying passenger No.	1	.....	1	Total tollage of same month last year ..			5,445 8 6
16.	Total registered tonnage, cargo Tons	2,998	2,750	5,748	Memorandum of Tollage.			
17.	Total registered tonnage, passenger Tons	.....	.....	.....*	
18.	Ton-mileage ...	67,427	58,906	1,263,33				Rs. A. P.
19.	Estimated value of cargo ...	51,490	93,387	1,44,877	1. Balance not recovered on the 1st of the month ...			.....
20.	Number of passengers ...	2	.....	2				
21.	Rafts, bamboos c. ft.	.....	.....	.....	
22.	Do., timber „	.....	79	79	2. Tollage per month ...			2,221 1 0
23.	Estimated value of rafts Rs.	.....	194	194				
24.	Tollage on boats „	1,181 7 6	1,030 14 9	2,212 6 3	3. Total ...			2,221 1 0
25.	Compounded tollage on boats ... Rs.	7 2 0	.....	7 2 0	4. Amount paid into treasury during the month ...			.....
26.	Tollage on rafts „	.....	1 8 9	1 8 9				
27.	Total tollage on boats per ton-mile Pie	.....	.....	0-0-3-3	5. Balance due at the end of the month ...			2,221 1 0
28.	Total tollage on rafts per 100 cubic feet Rs.	.....	.....	1 15 3				

* Ten maunds only.

SONE CIRCLE.
PATNA CANAL SYSTEM.
LENGTH OF CANAL OPEN, 86½ MILE.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
2	1. Grain ...	7	24	31	31	1,820	
40	2. Cotton ...	.....	480	480	480	36,135	
11	3. Oilseed ...	78	.....	78	78	4,010	
21	4. Salt ...	163	19	182	182	30,435	
.....	5. Piece-goods ...	3	.....	3	3	16,300	
15	6. Metal ...	.....	114	114	28	105	
59	7. Building materials ...	145	232	377	362	6,05,895	
.....	8. Miscellaneous ...	.....	.....	.....	.....	.....
12	9. Fuel ...	102	.....	102	.....	4,270	
.....	10. Timber { boats	.....	623	623	623	3,550	
.....	rafts	200	.....	200	200	3,770	
.....	11. Bamboos { boats	20	2,571	2,591	2,591	42,376	
.....	rafts	.....	.....	.....	.....	.....
179	12. Total ...	718	4,063	4,781	4,579	7,44,356	
177	13. Total of same month last year	488	3,670	4,158	3,894	1,87,815	

	Up.	Down.	Total.		Rs. A. P.
14. Total number of boats ply- ing cargo No.	83	96	179	Total tollage of month— 24 + 25 + 26 ...	3,021 13 6
15. Total number of boats ply- ing passenger No.	2	3	5		
15½. Total number of empty boats No.	52	39	91	Total tollage of same month last year ...	3,025 13 6
16. Total registered tonnage, cargo Tons	1,218	1,710	2,928		
17. Total registered tonnage, passenger Tons	54	62	116		
17½. Total registered tonnage, empty boats Tons	215	196	411		
18. Ton-milage ...	70,817	2,43,875	3,14,692		
19. Estimated value of cargo ...	65,510	6,37,567	7,03,077		
20. Number of passengers	164	141	305		
21. Rafts, bamboos c. ft.	3,000	385,610	388,610		
22. Do., timber "	.....	46,719	46,719		
23. Estimated value of rafts Rs.	450	45,436	45,886		
24. Tollage on boats "	632-7-3	356-0-6	1,588-7-9		
25. Compounded tollage on boats Rs.	75	75	150		
26. Tollage on rafts "	0-15-0	1,282-6-9	1,283-5-9		
27. Total tollage on boats per ton-mile Pie	.....	.....	0-0-1-06		
28. Total tollage on rafts per 100 cubic feet Rs.	.....	.....	0-4-8		

Memorandum of Tollage.		Rs. A. P.
1. Balance not recovered on the 1st of the month ...		846 8 3
2. Tollage per month ...		3,021 13 6
3. Total ...		3,868 5 9
4. Amount credited in the accounts of the month ...		3,315 12
5. Balance due at the end of the month ...		552 9 9

ARRAH CANAL SYSTEM.

LENGTH OF CANAL OPEN, 65 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupers.	Tons.	Rupers.	
43	1. Grain ...	44	476	520	31,642	520	31,642	
...	2. Cotton ...	3	.....	3	3,430	3	3,430	
56	3. Oilseeds ...	1	570	571	47,248	571	47,248	
52	4. Salt ...	413	.....	413	43,840	413	43,840	
3	5. Piece-goods ...	52	.....	52	74,075	52	74,075	
...	6. Metal ...	2	2	4	92,658	4	92,658	
18	7. Building materials ...	15	131	147	711	107	116	
75	8. Miscellaneous ...	133	401	534	33,111	523	33,076	
13	9. Fuel ...	80	13	93	883	93	883	
2	10. Timber ...	3	9	12	1,337	10	1,237	
Rafts {	Firewood ...	.....	179	179	2,296	179	2,296	
	Bullahs ...	.....	1,152	1,152	6,364	1,151	6,364	
	11. Bamboos ...	.....	1,535	1,535	16,635	1,535	16,635	
262	12. Total ...	747	4,468	5,215	3,54,230	5,161	3,53,500	
151	13. Total of same month last year	357	1,557	1,914	2,11,141	*1,896	2,10,481	
		Up.	Down.	Total.				Rs. A. P.
14.	Total number of boats plying cargo No.	90	172	262	Total tollage of month— 24 + 25 + 26 ...			2,540 3 0
15.	Total number of boats plying passenger No.	.....	3	3	Total tollage of same month last year ...			1,409 13 0
15½.	Total number of empty boats No.	82	23	105				
16.	Total registered tonnage, cargo Tons	1,016	2,470	3,486				
17.	Total registered tonnage, passenger Tons	58	72	130				
17½.	Total registered tonnage, empty Tons	182	68	250				
18.	Ton-mileage ...	65,535	1,34,674	2,00,209				
19.	Estimated value of cargo Rs.	2,10,261	1,18,674	3,28,935				
20.	Number of passengers ...	812	930	1,742				
21.	Rafts, bamboos c. ft.	.....	2,30,392	2,30,392				
22.	Do., bullahs "	.....	86,400	86,400				
22½.	Do., firewood "	.....	13,466	13,466				
23.	Estimated value of rafts Rs.	.....	25,295	25,295				
24.	Tollage on boats "	379-12-6	941-14-6	1,321-11-0				
25.	Compounded tollage on boats Rs.	164-0-0	164-0-0	328-0-0				
26.	Tollage on rafts "	.....	890-8-0	890-8-0				
27.	Total tollage on boats per ton-mile ...	.....	.....	0-0-1-58				
28.	Total tollage on rafts per 100 cubic feet ...	.....	.....	0-4-3				
					Memorandum of Tollage.			
								Rs. A. P.
					1. Balance not recovered on the 1st of the month ...			84 14 6
					2. Tollage per month ...			2,540 3 0
					3. Total ...			2,625 1 6
					4. Amount credited in the accounts of the month ...			2,549 9 6
					5. Balance due at the end of the month ...			75 8

BUXAR CANAL SYSTEM.

LENGTH OF CANAL OPEN, 67 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		RAFTS.
		Quantity - Tons.			Value.	Quantity.	
		Up.	Down.	Total.	Rupees.	Tons.	
35	1. Grain ...	.....	540	540	50,297	540	50,297
1	2. Cotton ...	9	.....	9	4,000	9	4,000
26	3. Oilseeds ...	40	361	401	52,412	401	52,412
...	4. Salt ...	.....	.....	.....	.....	.....	.....
...	5. Piece-goods ...	2	.....	2	2,600	2	2,600
...	6. Metal ...	.....	.....	.....	.....	.....	.....
19	7. Building materials ...	15	192	207	8,914	122	4,550
22	8. Miscellaneous ...	29	215	244	43,499	244	43,499
...	9. Fuel ...	.....	.....	.....	.....	.....	.....
Rafts	10. Timber ...	.....	396	396	5,007	396	5,007
	11. Bamboos ...	.....	531	531	9,552	531	9,552
103	12. Total ...	95	2,235	2,330	1,76,281	2,245	1,71,917
95	13. Total of same month last year.	29	1,595	1,624	97,508	1,300	88,421
		Up.	Down.	Total.			Rs. A. P.
Total number of boats plying cargo No.		10	93	103	Total tollage of month— 24 + 25 + 26 ...		1,009 13 6
Total number of boats plying passengers No.		15	8	23			
Total number of boats, empty No.		30	16	46	Total tollage of same month last year ..		903 14 11
Total registered tonnage, cargo Tons		112	2,664	2,776			
Total registered tonnage, passenger Tons		267	216	483			
Total registered tonnage, empty Tons		96	49	145			
Ton-mileage ...		8,778	47,363	56,141	<i>Memorandum of Tollage.</i>		
Estimated value of cargo Rs.		33,241	1,28,481	1,61,722			Rs. A. P.
Number of passengers ...		708	533	1,241	1. Balance not recovered on the 1st of the month ...		93 1 3
Rafts, bamboos o. ft.		.....	79,607	79,607	2. Tollage per month ...		1,009 13 6
Do., bullahs "		.....	29,754	29,754	3. Total ...		1,102 14 9
Estimated value of rafts Rs.		.....	14,559-0-0	14,559-0-0	4. Amount credited in the accounts of the month ...		72 10 0
Tollage on boats "		54-6-0	374-9-0	428-15-0	5. Balance due at the end of the month		330 4 9
Compounded tollage on boats Rs.		75-0-0	107-0-0	182-0-0			
Tollage on rafts "		.....	398-14-6	398-14-6			
Total tollage on boats per ton-mile		.....	.....	0-0 2-08			
Total tollage on rafts per ton-mile		.....	.....	0-5-10			

ABSTRACT FOR THE MONTH OF APRIL 1888, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

CANAL.	TRAFFIC, 1888-89.						TRAFFIC, 1887-88.						REMARKS.
	During the month.			To end of the month.			During the month.			To end of the month.			
<i>Orissa Circle.</i>	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
Taldunda Canal System ...	373	1	9	373	1	9	510	2	6	510	2	6	
Kendrapara Canal System ...	6,983	10	0	6,983	10	0	6,113	11	0	6,113	11	0	
High Level, Range I ...	999	4	3	999	4	3	892	12	0	892	12	0	
Ditto, " II ...	557	15	3	557	15	3	462	6	0	462	6	0	
Ditto, " III ...	173	7	6	173	7	6	128	6	3	128	6	3	
Total Orissa Circle ...	9,087	6	9	9,087	6	9	8,107	5	9	8,107	5	9	
<i>South-Western Circle.</i>													
Midnapore Canal ...	6,062	13	0	6,062	13	0	5,395	4	0	5,395	4	0	
Hidgellee Tidal Canal ...	2,221	1	0	2,221	1	0	5,445	3	6	5,445	3	6	
Total South-Western Circle	8,283	14	0	8,283	14	0	10,840	7	6	10,840	7	6	
<i>Sone Circle.</i>													
Patna Canal System ...	3,021	13	6	3,021	13	6	3,025	13	6	3,025	13	6	
Arrah ditto ...	2,540	3	0	2,540	3	0	1,409	13	0	1,409	13	0	
Buxar ditto ...	1,009	13	6	1,009	13	6	903	14	11	903	14	11	
Total Sone Circle ...	6,571	14	0	6,571	14	0	5,339	9	5	5,339	9	5	
GRAND TOTAL ...	23,943	2	9	23,943	2	9	24,287	6	8	24,287	6	8	

GOVERNMENT TRANSPORT SERVICE.

CANAL.	TRAFFIC, 1888-89.						TRAFFIC, 1887-88.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipt.	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.
<i>Orissa Circle.</i>	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A.
High Level ...	331	477	453 2 11	331	477	493 2 11	655	1,558	1,027 3 11	655	1,558	1,027 3
Total Orissa Circle ...	331	477	493 2 11	331	477	493 2 11	655	1,558	1,027 3 11	655	1,558	1,027 3

TOTAL NAVIGATION RECEIPTS.

CANAL.	EARNINGS, 1888-89.						EARNINGS, 1887-88.						REMARKS.
	During the month.			To end of the month.			During the month.			To end of the month.			
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
Orissa Canals ...	9,580	9	8	9,580	9	8	9,134	9	8	9,134	9	8	
Midnapore Canal	6,062	13	0	6,062	13	0	5,395	4	0	5,395	4	0	
Hidgellee Tidal Canal	2,221	1	0	2,221	1	0	5,445	3	6	5,445	3	6	
Sone Canals ...	6,571	14	0	6,571	14	0	5,339	9	5	5,339	9	5	
Total	24,436	5	8	24,436	5	8	25,314	10	7	25,314	10	7	

A. D. McArthur, M.A.,
Under-Secretary to the Government of India.

CALCUTTA,
The 19th June 1888.

CIRCULAR AND EASTERN CANALS.

*Approximate Return of Traffic for the week ending Saturday, the 16th June 1888,
as compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 16TH JUNE 1888.			WEEK ENDING SATURDAY, THE 18TH JUNE 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	434	1,03,790	1,920	218	37,718	597
Jute ...	8	4,575	98	19	9,910	208
Firewood ...	91	38,475	583	111	56,175	850
Other articles ...	917	2,49,185	3,893	742	2,17,379	2,998
Total ...	1,450	3,96,025	6,494	1,090	3,21,182	4,653

Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of February 1888, as compared with the same month of the previous year.

STAPLES.	1888.		1887.		TOTAL.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1888.	1887.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	14,822	4,325	2,625	1,834	10,147	4,529	14,618	.....
Cotton, raw	9	432	.....	77	94	77	364	.....
Cotton, twist and yarn—								
1.—European	.....	.....	.....	.....	.....	.....	.....	.....
2.—Indian	.....	.....	.....	.....	.....	.....	.....	.....
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	2,694	209	1,544	228	2,903	2,172	731	.....
b.—In boxes	.....	.....	.....	.....	.....	.....	.....	.....
2.—Indian—								
a.—In bales and bundles	.....	.....	.....	.....	.....	.....	.....	.....
b.—In boxes	.....	.....	.....	.....	.....	.....	.....	.....
Grains—								
2.—Rice	3,909	8,800	574	2,729	12,709	3,303	9,406	.....
5.—Others	1,750	8,813	888	2,552	10,703	3,880	6,823	.....
Hides and Skins—								
1.—Hides of cattle—								
a.—Dressed	.....	.....	.....	.....	.....	.....	.....	.....
b.—Undressed	.....	.....	.....	.....	.....	.....	.....	.....
2.—Skins of sheep, &c.—	20	662	15	658	652	673	270	.....
a.—Dressed	.....	.....	.....	.....	.....	.....	.....	.....
b.—Undressed	.....	.....	.....	.....	.....	.....	.....	.....
Jute—								
1.—Raw—								
a.—Screwed	.....	3,501	.....	2,432	3,501	2,432	1,072	.....
b.—Unscrewed	.....	6,520	4	19,491	6,524	19,495	12,971	.....
2.—Gunny bags and cloth	271	1,215	121	979	1,486	1,100	386	.....
Metals—								
1.—Copper, unwrought	.....	.....	.....	.....	.....	.....	.....	.....
2.—Brass, unwrought	.....	.....	.....	.....	.....	.....	.....	.....
3.—Copper and brass, wrought	1,652	124	957	145	1,776	1,102	674	.....
4.—Iron	.....	.....	.....	.....	.....	.....	.....	.....
5.—Tin	.....	.....	.....	.....	.....	.....	.....	.....
6.—Others	.....	.....	.....	.....	.....	.....	.....	.....
Oils—								
2.—Kerosene	456	21	162	.....	477	192	285	.....
3.—Others	251	68	174	8	325	182	143	.....
Oilseeds—								
1.—Linseed	.....	.....	.....	.....	.....	.....	.....	.....
2.—Rape and mustard	.....	.....	.....	.....	.....	.....	.....	.....
3.—Til or gingelly	.....	.....	.....	.....	.....	.....	.....	.....
4.—Niger	272	1,101	561	89	1,373	680	693	.....
5.—Castor	.....	.....	.....	.....	.....	.....	.....	.....
6.—Poppy	.....	.....	.....	.....	.....	.....	.....	.....
7.—Others	.....	.....	.....	.....	.....	.....	.....	.....
Provisions—								
2.—Betelnuts	86	757	19	459	843	478	365	.....
3.—Others	632	529	330	229	1,155	539	616	.....
Railway plant and rolling-stock	3,257	755	1,114	851	4,012	1,965	2,047	.....
Salt	5,210	50	2,201	9	5,210	2,210	3,000	.....
Sugar—								
1.—Drained	.....	.....	.....	.....	.....	.....	.....	.....
2.—Undrained	1,130	2,639	576	1,222	3,769	1,798	1,971	.....
Tea—								
1.—Foreign	.....	.....	.....	.....	.....	.....	.....	.....
2.—Indian	1	233	.....	172	234	172	62	.....
Woods—								
1.—Timber	233	119	.....	.....	352	.....	352	.....
2.—Firewood	2,565	174	2,087	50	2,339	2,137	202	.....
Tobacco	47	927	53	655	974	708	266	.....
All other articles of merchandise—								
1.—Unmanufactured	5,420	1,750	2,671	854	7,170	3,525	3,645	.....
2.—Manufactured	.....	.....	.....	.....	.....	.....	.....	.....
Hay, straw, and woolen (C. & S.-E. Section)	758	3	576	.....	761	576	185	.....
Total	57,248	41,151	17,782	36,163	89,402	53,945	35,457	12,865

Excludes local traffic of the Dacca, Northern Bengal, and Karna and Dharila Railways during 1887.

Comparative statement of the principal commodities carried over the Eastern Bengal State Railway during the month of February 1888.

INCREASES.		Tons.
Coal	.....	14,618
Increased importations from the East Indian Railway on account of increased demand for Railway and Portia purposes and for the public.	.....	.....
Cotton, raw	.....	364
New crop and a good market	.....	.....
Cotton piece-goods	.....	781
Increased demand.	.....	.....
Grains	.....	16,149
New crop and a favorable market. The bulk of the traffic in this commodity is from the Northern Section.	.....	.....
See	.....	693
New crop and a slightly increased demand.	.....	.....
Salt	.....	3,080
Increased demand at stations on the Northern Section.	.....	.....
Sugar	.....	1,971
From Goalundo, Poradaha, Choondangah and other stations.	.....	.....
DECREASES.		Tons.
Jute	.....	12,971
Fall in the market.	.....	.....

CALCUTTA, the 9th June 1888.

F. P. QUINLAN, Examiner of Accounts.

Bengal Central Railway.

Abstract of principal commodities carried over the Bengal Central Railway during the month of February 1888, as compared with the same month of the previous year.

STAPLES.	1888.		1887.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1888.	1887.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	3,212	.....	994	.....	3,212	994	2,218	.....
Cotton, twist and yarn—								
1.—European	.....	.....	.....	.....	.....	.....	.....	.....
2.—Indian	.....	.....	.....	.....	.....	.....	.....	.....
Cotton piece-goods—								
1.—European—								
a.—In bales and bundles	215	.....	144	1	215	145	70	.....
b.—In boxes	.....	.....	.....	.....	.....	.....	.....	.....
2.—Indian—								
a.—In bales and bundles	.....	.....	.....	.....	.....	.....	.....	.....
b.—In boxes	.....	.....	.....	.....	.....	.....	.....	.....
Grains—								
2.—Rice	3	1,183	3	834	1,186	837	849	.....
5.—Others	12	568	88	86	580	123	457	.....
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed	.....	42	.....	67	42	67	.....	25
b.—Undressed	.....	.....	.....	.....	.....	.....	.....	.....
2.—Skins of sheep, &c.—								
a.—Dressed	.....	.....	.....	.....	.....	.....	.....	.....
b.—Undressed	.....	.....	.....	.....	.....	.....	.....	.....
Jute—								
1.—Raw—								
a.—Screwed	.....	.....	.....	3	.....	3	.....	5
b.—Unscrewed	.....	84	.....	332	84	332	.....	248
2.—Gunny bags and cloth	19	1	12	4	20	16	4	.....
Metals—								
1.—Copper, unwrought	.....	.....	.....	.....	.....	.....	.....	.....
2.—Brass, unwrought	.....	.....	.....	.....	.....	.....	.....	.....
3.—Brass and copper, wrought	.....	.....	.....	.....	.....	.....	.....	.....
4.—Iron	63	28	55	73	91	108	.....	17
5.—Tin	.....	.....	.....	.....	.....	.....	.....	.....
6.—Others	.....	.....	.....	.....	.....	.....	.....	.....
Oils—								
2.—Kerosine	110	.....	35	.....	110	35	75	.....
3.—Others	130	1	81	.....	131	81	50	.....
Oilseeds—								
1.—Linseed	.....	.....	.....	.....	.....	.....	.....	.....
2.—Rape and mustard	.....	.....	.....	.....	.....	.....	.....	.....
3.—Til or gingelly	.....	.....	.....	.....	.....	.....	.....	.....
4.—Niger	.....	.....	.....	.....	.....	.....	.....	.....
5.—Castor	.....	.....	.....	.....	.....	.....	.....	.....
6.—Poppy	.....	.....	.....	.....	.....	.....	.....	.....
7.—Others	.....	.....	.....	.....	.....	.....	.....	.....
Provisions—								
2.—Betel-nuts	.....	750	.....	406	750	406	344	.....
3.—Others	208	117	170	173	378	345	33	20
Railway plant and rolling-stock	84	26	59	15	100	74	26	.....
Salt	228	.....	122	.....	228	122	106	.....
Sugar—								
1.—Drained	.....	.....	.....	.....	.....	.....	.....	.....
2.—Undrained	10	2,083	55	695	2,093	750	1,343	.....
Tea—								
1.—Foreign	.....	.....	.....	.....	.....	.....	.....	.....
2.—Indian	1	.....	.....	.....	1	.....	.....	.....
Wood—								
1.—Timber	.....	.....	.....	.....	.....	.....	.....	.....
2.—Firewood	33	28	22	8	61	30	31	.....
Tobacco	28	.....	31	3	28	34	.....	6
All other articles of merchandise—								
1.—Unmanufactured	.....	.....	.....	.....	.....	.....	.....	.....
2.—Manufactured	507	247	234	185	754	419	335	.....
Total	5,102	5,305	2,390	2,305	10,497	4,785	5,712	310

Comparative Statement of the principal commodities carried over the Bengal Central Railway during the month of February 1888.

INCREASES.

	Tons.
Coal	2,218
Due to increased requirement for Railway and Flotilla purposes.	.....
Grains	1,306
A good rubber crop and a favorable market. The exportations are principally from Bongong, Binapole, Jhikargacha and Singha.	.....
Betel-nuts	344
from Bengal Central Flotilla stations for export to Burmah.	.....
Sugar	1,343
principally from Jhikargacha and Gobordanga.	.....

DECREASES.

Jute	251
due to a fall in prices in the Calcutta market.	.....

CALCUTTA, the 9th June 1888.

F. P. QUINLAN, Examiner of Accounts.

Nalhati State Railway.

Statement showing Increases and Decreases in tonnage of Staples carried over the Nalhati State Railway during the month of May 1888, as compared with the same month of the previous year.

STAPLES.	1887.		1888.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1887.	1888.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal	413	.....	112	.....	413	112	.....	301
Cotton, raw	7	.....	13	.....	7	13	6	.....
Cotton piece-goods—								
1.—European	48	2	85	.....	48	85	37	.....
Drugs and chemicals—								
2.—Not intoxicating—			1	.....		1	1	.....
(b).—Others	.....	.....	.....	.....	.....	.....	.....	.....
Jute—								
2.—Gunny bags and cloths	25	.....	9	2	25	11	.....	14
Grains—								
1.—Wheat	69	.....	2	44	69	46	.....	23
2.—Rice	35	145	57	224	180	285	105	.....
3.—Gram	.....	1	.....	4	1	4	3	.....
4.—Others	41	.....	17	15	41	32	.....	9
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed	.....	2	.....	6	2	6	4	.....
2.—Skins of sheep, goats and small animal—								
b.—Undressed	.....	.....	1	.....	.....	1	1	.....
Leather, manufactured	3	.....	1	.....	3	1	.....	2
Liquors—								
1.—Beer	1	.....	5	.....	1	5	4	.....
2.—Wines	1	.....	.....	.....	1	.....	.....	.....
3.—Spirits	.....	.....	.....	.....	.....	.....	.....	.....
Metals—								
1.—Copper, unwrought	3	.....	1	.....	3	1	.....	2
2.—Iron	.....	.....	.....	.....	.....	.....	.....	.....
4.—Others	7	4	7	1	11	.....	.....	.....
Oils—								
1.—Castor	.....	.....	1	.....	.....	1	1	.....
2.—Kerosine	1	.....	1	.....	1	1	.....	.....
3.—Others	17	.....	40	.....	17	40	23	.....
Provisions—								
1.—Ghee	1	.....	4	1	1	5	4	.....
2.—Dried fruits and nuts	1	.....	2	.....	1	2	1	.....
3.—Others	.....	.....	7	.....	.....	7	.....	.....
Railway plant and rolling-stock	25	7	311	44	336	355	19	.....
Salt	82	.....	190	.....	82	190	108	.....
Oilseeds—								
1.—Linseed	1	.....	7	25	1	32	31	.....
2.—Mustard and rape	42	.....	119	.....	42	119	77	.....
6.—Others	14	.....	14	.....	14	14	.....	.....
Silk, raw—								
2.—Indian	2	19	.....	18	21	18	.....	3
Silk piece-goods—								
2.—Indian	.....	4	.....	2	4	2	.....	2
Spices—								
2.—Others	.....	.....	5	.....	.....	5	5	.....
Stone and lime	.....	.....	13	.....	.....	13	13	.....
Sugar—								
1.—Drained	31	.....	22	.....	31	22	.....	9
2.—Undrained	4	.....	27	9	4	36	32	.....
Tobacco	2	.....	18	1	2	19	17	.....
Timber	.....	.....	6	3	.....	9	9	.....
Paper and pasteboard	.....	.....	3	.....	.....	3	3	.....
Umbrellas	.....	.....	1	.....	.....	1	1	.....
All other articles of merchandise	100	30	82	13	130	95	.....	35
Total	475	214	1,185	416	1,189	1,603	414	405

INCREASE.

Tons.

Cotton piece-goods—
 (1) European 37
 This increase is due to steamer service between Jeaganj and Calcutta being stopped for want of sufficient water in the river.
 Grains—
 (2) Rice 105
 This increase is due partly to the steamer service being closed, and partly to greater despatches from the intermediate stations owing to good crops and favourable demands.
 Oils—
 (3) Others 23
 This increase is due to steamer service being closed for want of sufficient water in the river.
 Railway plant and rolling stock 323
 This increase is due to greater materials being carried during this year.
 Salt 108
 This increase is due to steamer service being closed for want of sufficient water in the river.
 Oilseeds—
 (1) Linseed 31
 (2) Mustard and rape 77
 The increase under these heads is due to favourable demand.
 Stone and lime 13
 This increase is due to greater demands for building purposes.
 Sugar—
 (2) Undrained 32
 This increase is due to favourable market rate.
 Tobacco 17
 This increase is due to fair market rate.

DECREASE.

Coal 301
 This decrease is due to previous stock not being exhausted.
 Jute—
 (2) Gunny bags and cloths 14
 This decrease is due to less demand.
 Grains—
 (1) Wheat 23
 This decrease is due to dull market.

R. G. MOHAMMAD, Manager, Nalhati State Railway.

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 9th June 1888, on 1,513½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	237,261	2,39,964 14 0	29,62,189 20	6,15,989 5 0	17,942 4 0	8,73,390 7 0	64,570½	101,308½	165,879
Or per mile of railway ...	158 3 1	158 3 1	19 3 1	406 14 10	11 13 8	570 15 7	.....	.....	.....
For previous 23 weeks of half-year ...	5,945,257	66,08,074 3 0	6,33,43,050 20	1,46,88,253 5 1	4,80,055 4 11	2,17,77,282 13 0	1,449,902½	2,339,358	3,789,100
Total for 23 weeks ...	6,182,518	68,47,539 1 0	6,63,05,219 0	1,53,04,242 10 1	4,98,897 8 11	2,26,50,679 4 0	1,514,478½	2,440,500½	3,955,045
COMPARISON.									
Total for corresponding week of previous year ...	279,001½	2,55,270 0 0	28,81,599 10	0,35,034 13 8	23,673 7 7	9,14,184 5 3	64,791	113,818	178,609
Per mile of railway corresponding week of previous year ...	186 0 11	168 0 11	19 3 1	418 1 0	15 11 5	601 13 4	.....	.....	.....
Total to corresponding date of previous year ...	6,007,451½	66,32,130 14 9	6,35,55,272 0	1,58,77,842 0 7	4,40,002 14 9	2,29,58,975 14 1	1,550,802	2,663,523	4,214,325

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 9TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 9TH JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
1,519	9,14,184	602	1,513½	8,73,396	577	1,519	1,02,34,662	674	1,513½	96,77,023	639	.....	5,37,629

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 9th June 1888, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	11,396	4,928 14 0	42,232 30	2,411 1 0	32 6 0	7,382 5 0	1,658	1,188	2,840
Or per mile of railway ...	198	86 2 8	738 20	42 5 3	0 9 1	129 1 0	.....	.....	.....
For previous 23 weeks of half-year ...	315,447	1,63,550 1 0	8,83,198 0	60,201 7 0	814 9 0	2,23,506 1 0	38,062	14,867	53,919
Total for 23 weeks ...	326,753	1,67,478 15 0	9,25,425 30	62,622 8 0	846 15 0	2,30,948 0 0	40,620	16,945	57,565
COMPARISON.									
Total for corresponding week of previous year ...	12,378	5,366 13 1	90,252 0	3,364 15 0	21 5 0	8,763 1 1	1,604	790	2,394
Per mile of railway corresponding week of previous year ...	216	93 13 2	1,053 20	58 13 3	0 6 0	163 0 5	.....	.....	.....
Total to corresponding date of previous year ...	320,743½	1,63,206 14 4	13,82,967 30	80,566 5 9	1,081 1 3	2,44,854 5 4	38,164	22,157	60,311

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 9TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 9TH JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
57½	7,382	129	57½	7,382	129	57½	96,597	169	57½	92,005	161	.....	4,592

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 9th June 1888, on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,564	598 12 0	12,067 10	341 13 0	9 13 0	650 6 0	1904	303	46
Or per mile of railway ...	40 14 4			28 7 9	0 13 1	79 3 2			
For previous 22 weeks of half-year ...	68,835	11,654 2 0	4,03,181 30	11,372 6 0	211 8 6	23,238 0 6	7,054	8,803	10,82
Total for 23 weeks ...	72,399	12,252 14 0	4,80,189 0	11,714 3 0	221 5 6	24,188 6 0	7,244	4,106	11,32
COMPARISON.									
Total for corresponding week of previous year ...	3,575	590 10 9	11,692 20	343 6 0	18 2 3	952 3 0	345	148	46
Per mile of railway corresponding week of previous year ...	49 3 7			28 9 10	1 8 2	79 5 7			
Total to corresponding date of previous year ...	72,315	12,116 12 9	4,66,897 0	13,187 0 0	291 0 9	25,504 13 6	7,000	4,410	11,4

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 9TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 9TH JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
12	952	79	12	95	79	12	12,694	106	12	11,715	98		979

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 9th June 1888, on 74 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	4,837	3,530 14 0	88,420 0	5,008 2 0	128 0 0	8,757 0 0	586	1,781	2,36
Or per mile of railway ...	47 3 3			68 2 6	1 11 5	117 1 2			
For previous 22 weeks of half-year ...	119,414	86,205 4 0	19,01,865 10	88,302 11 0	2,305 15 0	1,70,811 14 0	14,600	22,735	47,4
Total for 23 weeks ...	124,251	89,734 2 0	19,90,285 10	93,400 13 0	2,433 15 0	1,85,568 14 0	15,186	24,516	49,75
COMPARISON.									
Total for corresponding week of previous year ...	6,784	5,439 15 10	85,797 30	2,511 1 0	60 5 3	8,011 6 1	741	1,305	2,0
Per mile of railway corresponding week of previous year ...	72 11 8			33 9 1	0 12 11	107 1 8			
Total to corresponding date of previous year ...	141,123	1,08,032 12 6	23,49,745 20	1,05,816 3 0	2,353 5 9	2,16,207 5 9	17,141	29,183	46,31

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 9TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 9TH JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
74	8,111	107	74	8,757	117	74	94,991	127	74	79,113	106		15,778

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 9th June 1888, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	18,490	4,790 11 0	7,353 20	278 4 0	9 0 0	5,078 5 0	901	67	968
Or per mile of railway	215 5 0			12 8 1	0 0 0	228 3 10			
For previous 22 weeks of half-year	494,365	1,20,615 11 0	1,80,816 0	6,683 12 0	156 4 3	1,36,485 11 3	10,836	1,636	21,472
Total for 23 weeks	512,855	1,34,436 6 0	1,88,169 20	6,962 0 0	165 10 3	1,41,564 0 3	20,737	1,703	22,440
COMPARISON.									
Total for corresponding week of previous year	19,242½	4,809 4 5	8,075 0	323 9 0	7 7 6	5,230 4 11	897	71	968
Per mile of railway corresponding week of previous year	220 3 1			14 8 8	0 5 4	235 1 1			
Total to corresponding date of previous year	482,738	1,26,731 14 10	1,93,050 0	6,709 3 0	178 12 6	1,33,679 14 4	21,761	1,273	23,034

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 9TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 9TH JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
22½	Rs. 5,230	Rs. 235	22½	Rs. 5,078	Rs. 228	22½	Rs. 63,118	Rs. 284	22½	Rs. 65,711	Rs. 295	Rs. 2,503	Rs.

EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D., AND ASSAM-BIHAR SECTIONS.)

Approximate Return of Traffic for week ended 9th June 1888, on 672 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam-bent.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	119,148	52,240 0 0	448,792 0	74,848 0 0	11,655 0 0	1,38,743 0 0	20,506	19,000	40,406
Or per mile of railway	177	78 0 0	663 0	111 0 0	17 6 0	193 0 0			
For previous 22 weeks of half-year	2,917,058	15,46,202 0 0	11,943,230 0	16,06,336 0 0	3,24,583 0 0	35,67,121 0 0	487,797	517,600	1,005,406
Total for 23 weeks	3,036,206	15,98,442 0 0	12,891,932 0	17,71,184 0 0	3,36,238 0 0	37,05,861 0 0	508,303	537,600	1,045,903
COMPARISON.									
Total for corresponding week of previous year	131,052	58,920 0 0	372,228 0	63,540 0 0	11,596 0 0	1,33,960 0 0	20,454	15,763	36,217
Per mile of railway corresponding period of previous year	204	9 0 0	577 0	98 0 0	13 0 0	193 0 0			
Total to corresponding date of previous year	3,144,641	14,50,492 0 0	12,638,567 0	17,48,903 0 0	2,90,275 0 0	34,98,760 0 0	485,633	448,870	934,503

* Audited up to week ending 28th April 1888.

† Excluding steam-bent earnings.

FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 9TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 9TH JUNE 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	Rs.
665	Rs. 1,33,960	Rs. 206	672	Rs. 1,38,743	Rs. 206	645	Rs. 14,18,067	Rs. 220	670	*14,41,957	Rs. 218	Rs. 23,890	Rs.

* Audited up to 28th April 1888.

BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 9th June 1888, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	25,290	8,573 0 0	30,270 0	2,512 0 0	84 0 0	11,169 0 0	8,617	1,709	5,326
Or per mile of railway	202	68 0 0	244 0	20 0 0	1 0 0	89 0 0	...	...	...
For previous 22 weeks of half-year	*583,069	1,98,161 0 0	*1,104,495 0	71,909 0 0	4,101 0 0	*2,74,261 0 0	78,517	30,319	117,836
Total for 23 weeks	608,089	2,06,734 0 0	1,143,771 0	74,511 0 0	4,185 0 0	2,85,430 0 0	87,134	41,038	128,172
COMPARISON.									
Total for corresponding week of previous year	27,945	10,431 0 0	40,330 0	3,241 0 0	61 0 0	13,733 0 0	8,482	1,728	5,210
Per mile of railway corresponding period of previous year	223	83 0 0	324 0	26 0 0	1 0 0	110 0 0	...	...	...
Total to corresponding date of previous year	613,481	2,13,847 0 0	953,182 0	63,645 0 0	1,129 0 0	2,78,041 0 0	81,954	30,108	121,062

* Audited up to 18th April 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 11th JUNE 1887.			RECEIPTS FOR WEEK ENDING 9th JUNE 1888.			TOTAL RECEIPTS FROM 1st APRIL 1887 TO 11th JUNE 1887.			TOTAL RECEIPTS FROM 1st APRIL 1888 TO 9th JUNE 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	* Rs.
125	13,735	110	125	11,169	89	125	1,35,071	108	125	*1,18,702	95	.....	16,369

* Audited up to 25th April 1888.

DACCA STATE RAILWAY.

Approximate Return of Traffic for week ended 9th June 1888, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week	12,114	3,858 0 0	5,637 0	500 0 0	50 0 0	4,408 0 0	2,141	963	3,104
Or per mile of railway	141	45 0 0	65 0	6 0 0	...	51 0 0	...	...	...
For previous 22 weeks of half-year	300,671	94,542 0 0	332,012 0	18,553 0 0	3,809 0 0	*1,10,804 0 0	47,688	21,270	68,958
Total for 23 weeks	312,785	98,390 0 0	337,649 0	19,053 0 0	3,859 0 0	1,21,272 0 0	49,829	22,233	72,062
COMPARISON.									
Total for corresponding week of previous year	12,900	3,702 0 0	4,214 0	602 0 0	143 0 0	4,537 0 0	2,708	266	2,974
Per mile of railway corresponding period of previous year	150	44 0 0	49 0	7 0 0	2 0 0	53 0 0	...	...	...
Total to corresponding date of previous year	296,043	98,308 0 0	441,665 0	32,011 0 0	4,065 0 0	1,36,284 0 0	55,020	21,621	76,641

* Audited up to week ending 25th April 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR WEEK ENDING 11th JUNE 1887.			RECEIPTS FOR WEEK ENDING 9th JUNE 1888.			TOTAL RECEIPTS FROM 1st APRIL 1887 TO 11th JUNE 1887.			TOTAL RECEIPTS FROM 1st APRIL 1888 TO 9th JUNE 1888.			Total increase in 1888-89.	Total decrease in 1888-89.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
86	4,637	53	86	4,408	51	86	51,748	60	86	*40,614	47	.....	2,134

* Audited up to week ending 25th April 1888.

ASSAM-BEHAR STATE RAILWAY.

(PURNEAH SECTION.)

Approximate Return of Traffic for week ended 9th June 1888, on 39 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,832	948 0 0	20,178 0	2,605 0 0	20 0 0	3,703 0 0	546	540	1,092
Or per mile of railway ...	73	23 0 0	748 0	69 0 0	1 0 0	95 0 0	.....	.....	.....
For previous 22 weeks of half-year ...	62,616	22,922 0 0	573,488 0	47,635 0 0	974 0 0	*71,531 0 0	12,012	12,013	24,024
Total for 23 weeks ...	65,448	23,910 0 0	602,666 0	50,330 0 0	994 0 0	75,334 0 0	12,558	12,553	25,116
COMPARISON.									
Total for corresponding week of previous year ...	2,883	919 0 0	19,143 0	1,803 0 0	78 0 0	2,893 0 0	539	539	1,078
Per mile of railway corresponding week of previous year ...	74	24 0 0	491 0	46 0 0	2 0 0	73 0 0	.....	.....	.....
Total to corresponding date of previous year ...	26,717	8,810 0 0	119,629 0	24,795 0 0	369 0 0	33,824 0 0	5,544	5,544	11,088

* Audited up to week ending 28th April 1888.

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Assam-Bihar State Railway.

RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 9TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 9TH JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
39	2,803	72	39	3,703	95	39	33,824	87	39	*34,804	90	1,076	.....

* Audited up to week ending 28th April 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 9th June 1888, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,639	1,110 0 0	12,907 0	2,7 0 0	10 0 0	2,647 0 0	509	254	763
Or per mile of railway ...	112	40 12 0	474 0	34 0 0	0 6 0	75 2 0	.....	.....	.....
For previous 22 weeks of half-year ...	71,735	26,475 0 0	3,18,255 0	18,103 0 0	430 0 0	45,008 0 0	11,108	9,279½	20,477
Total for 23 weeks ...	74,774	27,585 0 0	3,31,162 0	19,039 0 0	440 0 0	47,055 0 0	11,707	9,534½	21,240
COMPARISON.									
Total for corresponding week of previous year ...	3,211	1,934 5 9	6,358 30	453 15 0	10 0 0	1,628 9 9	509	254	763
Per mile of railway corresponding period of previous year ...	118	45 5 0	233 0	16 10 0	0 6 0	62 5 0	.....	.....	.....
Total to corresponding date of previous year ...	70,685½	26,693 0	2,82,115 0	16,694 5 11	578 0 7	43,875 13 0	11,779	7,674½	19,453

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 9TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 9TH JUNE 1888.			Total increase in 1887-88.	Total decrease in 1887-88.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
27½	1,698	63	27½	2,047	76	27½	17,823	63	27½	18,028	66	205	.....

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 9th June 1888, on 259 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIL-MILES RUN		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week on 259 miles open	56,750 1/2	Rs. A. P. 12,875 13 3	Mds. S. 1,80,770 30	Rs. A. P. 10,088 7 0	Rs. A. P. 2,084 2 4	Rs. A. P. 31,048 6 7	5,741	7,509	13,250
Or per mile of railway	142	40 11 0	698 0	62 2 0	2 10 0	114 7 0*	.....	.....	.....
For previous 52 weeks of half-year	9,55,232 1/2	3,67,765 2 9	43,09,422 10	4,63,904 0 0	71,536 13 8	9,03,208 0 5	135,543	109,130	304,673
Total for 25 weeks	989,083	380,041 0 0	44,90,109 0	4,70,093 0 0	74,621 0 0	6,85,155 0 0	141,284	176,689	317,973
COMPARISON.									
Total for corresponding week of previous year on 249 miles open	42,812 1/2	14,088 4 5	2,04,290 0	17,012 14 0	3,816 12 7	38,417 15 0	2,285	7,905	10,190
Per mile of railway corresponding week of previous year	172	50 0 0	820 0	71 15 0	0 15 0	151 14 0*	.....	.....	.....
Total to corresponding date of previous year	892,244	3,40,469 11 11	38,88,682 20	3,79,219 13 6	74,145 14 3	7,93,835 7 8	131,482	138,143	269,625

* Steam boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 11TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 9TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 11TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 9TH JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
249	Rs. 30,418	Rs. 140	259	Rs. 51,948	Rs. 123	249	Rs. 3,42,103	Rs. 137	259	Rs. 3,77,374	Rs. 146	Rs. 35,271	Rs.

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Rs.

Approximate earnings for week ending 2nd June 1888	...	...	12,421
Corresponding week last year	...	...	10,352
Increase	...	...	2,069
Receipts from 1st January to 2nd June 1888	...	...	2,14,201
From 1st January to 4th June 1887	...	...	1,74,073
Increase	...	...	40,128
Miles open week ending 2nd June 1888	...	...	51
Corresponding week last year	...	...	51
Receipts per mile open week ending 2nd June 1888	...	...	Rs. A. P. 243 8 9
Corresponding week last year	...	...	202 15 10
Increase	...	...	40 8 11

DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Rs.

Approximate earnings for week ending 9th June 1888	...	...	10,881
Corresponding week last year	...	...	10,865
Increase	...	...	16
Receipts from 1st January to 9th June 1888	...	...	2,25,182
From 1st January to 11th June 1887	...	...	1,84,433
Increase	...	...	40,749
Miles open week ending 9th June 1888	...	...	51
Corresponding week last year	...	...	51
Receipts per mile open week ending 9th June 1888	...	...	Rs. A. P. 215 5 0
Corresponding week last year	...	...	208 8 9
Increase	...	...	12 1 3



SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JUNE 27, 1888.

OFFICIAL PAPERS.

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RESOLUTION ON THE ADMINISTRATION OF THE JAIL DEPARTMENT FOR THE YEAR 1887.

RESOLUTION.

JAILS.

Dated Darjeeling, the 16th June 1888.

READ—

The Report on the Administration of the Jail Department for the year 1887.

Read also—

The Reports for the years 1885 and 1886, and the orders of Government recorded thereon.

Dr. Lethbridge was in charge of the Department throughout the year. The annual report has again been submitted with commendable promptitude. Dr. Lethbridge has also considerably cut down the dimensions of the report by careful attention to the orders of Government. The report for 1887 only fills 35 pages, while that for 1884 required 81 pages. The report for 1886 filled 44 pages.

The general results are very satisfactory. It must, however, be borne in mind that all the statistics are affected by the releases and remissions

granted on the celebration of the Jubilee, and to a certain extent this fact affects all comparisons with the figures of previous years. The death-rate fell to 33.1 per mille, the lowest on record, against 37.2 in 1886, and an average of 59.2 since 1863. The number of whippings was only 266 against 396 in 1886 and a yearly average of 364.25 from 1882 to 1885. The number of escapes fell to 13 against 17 in 1886, and a yearly average of 25.4 from 1881 to 1885. The number of whippings and escapes are the lowest on record. Making every allowance for the effect on these figures of the Jubilee releases, they testify to the excellent administration of the Department.

2. *Judicial Statistics.*—The total jail population at the beginning of the year (14,629) was reduced by the 31st December to 13,210, the lowest figure on record, and in great measure the result of remissions granted on the Jubilee day. The daily average population of all classes of prisoners decreased from 14,805.90 in 1886 to 12,250.36 in 1887. This decrease is confined to convicts and civil prisoners, there being an increase of 63.83 in the daily average of under-trial prisoners, due to the unsatisfactory fact of their longer detention under trial. The number admitted was actually less than in 1886. The following table shows the figures for convicts only for the last ten years:—

	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.
Number of prisoners in jails and subsidiary jails on the last day of previous year.	17,039	17,936	17,200	16,284	15,231	14,377	13,417	14,051	13,821	13,465
Admitted direct during the year	38,929	35,726	33,335	31,465	31,710	29,763	32,034	31,530	30,075	29,942
Total	55,968	53,662	50,535	47,749	46,941	44,140	45,451	45,581	43,896	43,407
Admitted by transfer	20,132	20,500	18,811	17,094	15,700	15,499	16,860	17,263	17,373	16,427
Total	76,100	74,162	69,346	64,843	62,701	59,639	62,311	62,844	61,269	59,834
Total discharged including transfers	58,164	56,962	53,062	49,612	48,324	46,222	48,060	49,025	48,403	47,884
Balance at the end of the year	17,036	17,200	16,284	15,231	14,377	13,417	14,051	13,821	13,465	11,950
Daily average number of prisoners	17,274	17,258	16,673	15,506	14,801	13,711	13,697	13,757	13,504	10,908

The number of direct admissions (29,942) is lower than in any year except 1883 (29,763), and is a satisfactory proof that there was no appreciable increase of crime in consequence of the Jubilee releases. The balance at the end of the year (11,950) and the daily average number (10,908) are the lowest on record, owing to the releases and the small number of admissions. The proportion of the population confined in central jails rose from 53.38 to 59.55 per cent., a very satisfactory increase, as the conditions of jail life are more penal and the prisoner's labour is more valuable from an industrial point of view in central than in district jails. District jails held 37.61 per cent. of the population, and subsidiary jails 2.84 per cent. The corresponding figures for 1886 are 53.38, 44.60 and 2.00.

3. 30,760 prisoners were released against 30,696 in 1886. While in 1886, 27,125 persons were released on expiry of sentence, the figures for 1887 are 21,328. On the other hand the number released on other grounds rose from 27 to 6,494. These figures are accounted for by the releases at the time of the Jubilee. The number released on appeal has steadily increased from 1,384 in 1882 to 1,903 in 1887. This point will be dealt with in considering the crime report. The decrease in the number of releases under the head "remission rules," 1,017 against 1,674 in 1886, is due to the fact that a large number of prisoners who would otherwise have been released under the mark system, some time in 1887, were set free on the Jubilee day.

4. The number of convicts transported beyond seas rose from 468 in 1885 and 668 in 1886 to 797 in 1887. The attention of the Government of India has been drawn to the fact that some of the Local Governments have relaxed too far the new rules of selection. In one case from another province the prisoner was almost blind of both eyes. The number of Bengal prisoners transported was 168. The corresponding figures for 1885 and 1886 were 73 and 137 respectively. Executions rose from 17 in 1886 to 30 in 1887.

5. The number of Burmese prisoners confined in Bengal Jails was increased by 20 during 1887, bringing the total to 284. The Government of India,

has now under consideration a scheme for granting tickets-of-leave to this class of prisoners. Some such scheme is required, as they will otherwise become a source of danger from their increasing numbers in the less secure district jails. They mostly enjoy excellent health in Bengal. Their conduct was generally good, but the number of offences increased from 174 to 450, of which 178 related to work. This is still far below the average reported in the case of other prisoners. One of them committed a very serious assault on a convict officer. Two Burmese prisoners escaped through the carelessness of the Pubna Jail officials. Of the three men who escaped in 1886, one was recaptured. He states that his companions both died on the way back to Burma, one was drowned, and the other killed in the Chittagong Hill Tracts.

6. The figures given by the Inspector-General show that 57·34 per cent. of the persons admitted in 1887 were Hindoos, 38·61 per cent. Mahomedans, and 1·27 per cent. Christians. There were also 168 Buddhists and 665 of other religions. The figures differ very little from those for last year. The percentage of Christians fell from 1·89 in 1886 to 1·27 per cent. in 1887. The number of juveniles admitted rose to 296 from 273 in 1886. The Reformatory Schools at Hazaribagh and Alipore continue to do excellent work.

7. Of the prisoners admitted 18,686, or 62·40 per cent., were sentenced to imprisonment for three months and less. The corresponding figures for 1886 were 19,729, or 64·3 per cent. The number sentenced to simple imprisonment fell from 2,340 to 2,216. The number of juvenile offenders sentenced to whipping fell to 377 from 448 in 1886. The number of other judicial whippings has fallen continuously from 1,965 in 1885 to 1,373 in 1887.

8. The number of female prisoners admitted into jail fell from 1,573 in 1885 to 1,391 in 1886 and 1,280 in 1887. The rules to prevent solitary confinement where there happens to be only one female in jail proved successful. 351 women were released on the Jubilee day, leaving only 78 women in the Bengal Jails. A female ward has been opened in the Presidency Jail to obviate legal difficulties connected with the jurisdiction of the High Court.

9. The number of reconvicted prisoners admitted into jail decreased from 3,589, or 11·70 per cent. of admission, in 1886, to 3,472, or 11·60 per cent., in 1887. New rules were introduced in February 1887 regarding the identification and classification of habitual offenders, and until they have been working some time it will be impossible to draw comparisons of any value with the figures of previous years. The jails showing the largest number of reconvictions were Calcutta 402 or 22·56, Monghyr 149 or 22·10 and Alipore 139 or 12·16 per cent. In Monghyr the percentage rose from 19·39 in 1886 to 22·10 in 1887. The District Magistrate attributes the increase in Monghyr to the exertions made in tracing the previous history of convicts by the District Superintendent of Police, Colonel Ramsay, to whom these results are very creditable. It is probable that similar exertions in other districts would lead to more accurate results than are now obtained. The number of persons imprisoned for failing to give security for good behaviour rose to 838. Of the prisoners admitted, 86·92 were unable to read and write; 9·66 per cent. were able to read and write a little, and the remainder could read and write well. The figures differ little from those for 1886.

10. The number of under-trial prisoners admitted during the year was 26,240, the lowest number admitted since 1883. The average period of detention was 17·75 days, a longer time than in any other year of this decade. It is impossible to compare the figures for different subsidiary jails, as at present the figures do not distinguish between prisoners in Sessions cases, where the delay is more or less unavoidable, and in Magistrate's cases. Sir Stuart Bayley approves of the proposal of the Inspector-General of Jails to show such cases separately in future. The Lieutenant-Governor has recently given orders that under-trial prisoners in central, district and intermediate jails shall be placed on full diet from the date of their admission, and it is hoped this will have some effect on the health of convicts during the first few months of their confinement. That the health of under-trial prisoners at the time of admission is very bad appears to be proved by the fact that out of 27,120 individuals who spent on an average 17·75 days in jail, 36 should have died. It is scarcely possible to suppose that the

death-rate in these cases should have been affected by the treatment the prisoners received in the subsidiary jails. The accommodation for under-trial prisoners is good and sufficient, except in the Presidency and Gya Jails, where, owing to want of funds, it has hitherto been impossible to deal with this question. The Lieutenant-Governor hopes it may be taken up during the current year. 6 under-trial prisoners escaped during the year (excluding 5 prisoners who escaped and were recaptured during the year), the same number as in 1885 and 1886. 3,054 civil prisoners were admitted during the year against 3,410 in 1886. Out of this number 62 were released on the Jubilee day, the Imperial Government paying their debts to the amount of Rs. 3,632.

11. *Jail buildings.*—Six new subsidiary jails were built at a cost of Rs. 28,953. A female ward, new guard-house and new workshop was provided in the Alipore Jail at a cost of Rs. 33,691. In the Presidency Jail solitary cells and an inner wall were built, costing Rs. 7,383. In Dacca Rs. 18,691 were expended on the new Central Jail. In Buxar Central Jail an upper story to the factory cost Rs. 9,349. The daily average number of prisoners employed on jail buildings was 1,124. The estimated earnings of the prisoners so employed is not shown in any of the financial statistics of this report.

12. *Guards and Escapes.*—The Jail establishment of Bengal was organised in 1878 for a jail population which averaged for 1874, 1875 and 1876 over 21,500 prisoners of all classes, the jail population having steadily since then decreased to its daily average of 12,250 in 1887. On the proposal of the Inspector-General of Jails, the Bhagulpore District Jail was abolished last year, and the reserve guards of 14 district jails, containing less than 100 prisoners, were dispensed with. Towards the close of the year Government sanctioned the reduction of 4 district jails to the new grade of intermediate jails. The result is a net saving of Rs. 44,958 per annum. The Inspector-General of Jails states that, should the jail population not increase, he will recommend a reduction of three more district jails to the intermediate grade.

13. The Lieutenant-Governor is glad to observe that Dr. Lethbridge is able to report a further improvement in the paid warder establishment, especially marked by the improvement in their military training and manner of carrying out their routine duties. Formerly many men resigned on the slightest occasion; now, if a warder is dismissed, he does not hesitate to come all the way to Calcutta to lay his case before the Inspector-General if he sees the least chance of being reinstated. The total number of warders employed in jails and subsidiary jails during the year was 1,707. The number of offences decreased from 3,133 in 1885 and 2,715 in 1886 to 2,359 in 1887. Petty offences were met in 875 cases by warning and extra drill. 405 offences were connected with drill. The number dismissed fell from 216 in 1885 and 128 in 1886 to 103 in 1887. The imposition of small fines is the most common form of punishment, and was adopted in 1,276 cases. Excluding warnings and extra drill, there was barely one punishment per head. It is only by noticing every petty offence that the discipline of men of the class enlisted in the warder establishment can be improved. Where jails are guarded by police whose punishments are not shown in the jail returns, the number of punishments recorded should of course be much smaller. The number of escapes fell to 13, the lowest figure on record. The proportion of escapes to admissions was in 1886 lower in Bengal than in any other province excepting the North-Western Provinces, and it must be borne in mind that the very large number of minor jails greatly increases the difficulty of preventing escapes as compared with other provinces where there are no subsidiary jails. In 1870, 1871 and 1872, when guarding was done by police constables, there were 477 escapes.

Two Burmese prisoners escaped from the Pubna Jail through the discreditable laxity of the Jailer and his subordinates as regards the night-guarding arrangements and the over-confidence reposed in well-behaved, useful prisoners, which enabled one of the Burmese unobserved to file the bar of one of the gratings of a door in his ward and in the ward in which the other Burman slept. The escape from the Dacca Jail was not due to any defect in the system of

guarding, as the prisoner passed out with the men released on the Jubilee day in the place of a man bearing the same name as himself. The small number of escapes testifies to the improvement in discipline of the warder establishment, and is highly creditable to Dr. Lethbridge and his subordinates.

14. *Prison discipline.*—The new rules requiring that the classification of habitual prisoners shall be made by the Court or District Magistrate were in force for some months last year. In some cases the orders were not understood by the Magistrates. In Dinagapore, for instance, 80 persons convicted for the first time were classed as habituals. Again in Bhagulpore, on reclassifying the prisoners of the Bhagulpore Jail, 140 prisoners who had been once convicted were transferred by the Magistrate from the A to the B class, under the idea apparently that all prisoners sentenced for dacoity, robbery, or house-breaking to three years' imprisonment and upwards must be hardened and dangerous criminals, even though never convicted before. In another place, 3 prisoners, sentenced to 20 days for hurt and not convicted before, were classed B. On the other hand, in Monghyr, 8 prisoners, sentenced to six months' imprisonment in default of security to be of good behaviour, were classed as A. Except in these and a few minor cases the rules worked well. The Inspector-General proposes to call shortly for a further report on this subject from Superintendents of Jails. He is requested to bring to the notice of Government any case in which the rules appear to have been flagrantly misapplied. A decrease in the number of habituals was foretold by the Inspector-General in his Administration Report in 1885 as a result of the new rules. It is difficult, however, at present to say whether the slight decrease in their number, noticed in paragraph 9, is due to this cause.

15. The number of offences by convicts fell to 35,824 from 40,512 in 1886. The percentage of offences to the daily average population rose to 328.4 from 299.9 in 1886. On the other hand, only 59.8 of the whole number of individual prisoners committed offences as against 65.5 the year before. As the Lieutenant-Governor lately addressed the Government of India on this subject, it is unnecessary here to deal at length with the subject of the recording of jail offences. The number of serious offences keeps extremely low. There were only 44 punishments by Criminal Courts against 85 in 1884, 71 in 1885, and 44 in 1886. The number of corporal punishments is a third less than in 1886, namely, 266 against 396, another indication of the small number of serious offences. In 21 cases only were less than 10 stripes given and in 42 cases between 10 and 15. During the last two quarters of the year there was no case in which less than 10 stripes were given. The six cases in which illness is reported to have followed after corporal punishment were all cases of ulcers caused by whipping. Reduced diet was only given in 820 cases against 4,495 in 1884, 2,958 in 1885, and 1,514 in 1886. Fetters were imposed in 11,640 cases as a punishment. In 10,232 cases the prisoners had them on for less than a month. Only 119 men were kept in fetters for safe custody—a very small number, considering that there were 284 Burmese prisoners in the Bengal jails.

16. Of the whole male jail population, only 4.34 per cent. were employed as convict officers, against 6.89 in 1886. This large reduction is due to the fact that convict warders, who take the place of paid warders, are not shown this year in Statement VIII, and to the large number released on account of the Jubilee, whom it was impossible to replace from those left in jail. As convict officers are not to be appointed in intermediate jails, the number for future years will be low though, as the Government of India pointed out in its review of the Administration Reports of the Jails of the several provinces of British India for 1886, they cannot be dispensed with altogether. The number of convict officers punished was 1,368 as against 1,868 in 1886. This shows that they worked well on the whole, as 1,543 convict officers were employed during the year. It requires constant warnings and corrections to make them efficient disciplinarians, and it is not found in practice in Bengal that minor corrections, if awarded at the special parades of convict officers, lower their position in the eyes of the prisoners.

17. The new mark rules were in force throughout the year, but the statistics are vitiated by the large number of convicts on the mark system

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The cost per head fell in 1881, owing to a marked decrease in the price of rice, but since 1882 it has continuously risen, while the average number confined has simultaneously greatly diminished. This is a necessary result of the fact that the scales of establishments were adapted to a jail population of 20,000. The Inspector-General's scheme, by which 14 district jails were reduced to the intermediate grade, will result in a large saving this year, and if the jail population does not increase, further reductions will be possible.

19. The expenditure in Central and District Jails shows a decrease under every head, and a total of Rs. 8,12,576 against Rs. 9,39,472 last year. The reduction in the daily average population, however, has raised the cost per prisoner from Rs. 66-9-11 to Rs. 70-12-3. There is a decided saving in all items of expenditure which are in the power of Superintendents to control. Thus, allowing for the smaller daily average number of prisoners, there has been a saving of Rs. 38,219 under the head of diet, or, in other words, the average annual expenditure for diet per prisoner has fallen from Rs. 22-15-4 to Rs. 20-4; while the annual cost of clothing a prisoner has fallen to Rs. 3-14-6 from Rs. 4-14-3 in 1885 and Rs. 4-4-10 in 1886. Taking together the heads diet, hospital charges, and clothing, the average annual expenditure per prisoner has fallen from Rs. 30-4-6 in 1886 to Rs. 27-4-3 in 1887.

20. These economies have been effected by the lower prices paid for articles of food, especially rice and wheat, and economy in management. The average price of rice per maund was Rs. 1-12-8 against Rs. 2-1-8 in 1886. Wheat in like manner fell from Rs. 3-15-8 per maund to Rs. 3-5-4. These are below the market rates, and have been got by such economical measures as storing grain at the cheapest season, husking rice and dall, buying cattle and goats and having the meat prepared on the jail premises. The following jails showed the most remarkable reductions in average diet expenditure:—

		1887.			1886.		
		Rs.	A.	P.	Rs.	A.	P.
Bogra	...	13	15	9	18	9	1
Burdwan	...	18	14	8	23	11	8
Mozufferpore	...	18	4	9	23	1	9
Furreedpore	...	17	6	4	23	2	2
Dacca	...	22	11	6	29	7	0
Monghyr	...	13	10	6	20	1	4
Hazaribagh	...	17	2	7	24	10	9

The extraordinary reduction in Monghyr is due to "(1) an improvement in the method of cooking of Indian-corn, which made it possible to give this cheap grain all the year round; (2) by the growing of 47 maunds of Indian-corn on jail land; (3) purchase of paddy at the cheap season and husking it in the jail, which resulted in a saving of 9 annas a maund, as compared with bazar rates for rice; and (4) purchase of cereals in the interior of the district." These results are highly creditable to the jailor, who is reported to be most careful as regards the health of the prisoners. The least satisfactory results are given by Nuddea, Gya, and Shahabad. In the first named jail, the average expenditure on diet rose from Rs. 23-3-9 in 1886 to Rs. 23-4-8. In Gya the increase was from Rs. 23-9 to Rs. 23-10-7. In Shahabad the increase was from Rs. 18-8-3 to Rs. 19-2-2. The Inspector-General is unable to supply figures showing the amount of cereals produced from jail gardens and used for rations, as required in the Government of India's Resolution on the Jail Report for 1886. Superintendents have been directed to keep careful accounts for the current year. All the vegetables required for jail use were grown in the jails, except in the Khoolna Jail, where the garden was taken up for building purposes. The expenditure on bazar vegetables was only Rs. 17 against Rs. 173 in 1886 and Rs. 643 in 1885.

The following table gives very interesting results:—

	Number of deaths per mille in 1887.	Number of deaths per mille in 1886.
Jails where the cost of dieting decreased by Rs. 2 or more a head in 1887 as compared with 1886	31.27	37.16
Jails where the cost of dieting decreased by less than Rs. 2 a head in 1887 as compared with 1886	37.90	39.78
Jails where the cost of dieting increased in 1887 as compared with 1886	36.30	39.75

These figures show that economy in dieting is not necessarily accompanied by any increase in sickness and mortality.

21. The total expenditure on establishment fell from Rs. 4,07,898 in 1886 to Rs. 4,00,611 in 1887, owing to the abolition of the warder reserve guard of the jails which have since been reduced to the status of intermediate jails. Hospital charges fell to Rs. 35,750 from Rs. 42,704 in 1886, while at the same time the average cost per head of sick shows a rise from Rs. 67-5-1 to Rs. 68-3-11. The average expenditure on clothing fell to Rs. 3-14-6 from Rs. 4-4-10. Dinagapore, Nuddea, Burdwan, Furreedpore, Mymensingh, Lohardugga and Singbhoom were the most expensive, the average expenditure varying from Rs. 8-4-8 at Dinagapore to Rs. 5-7-8 at Singbhoom. The Superintendents of these jails will be asked to exercise more control over this item of expenditure. Under contingencies there was a saving of Rs. 5,820 as compared with last year. The charges under the head of diet of defendants (which includes railway fare and subsistence allowance given to released prisoners) and transfer charges show an increase in consequence of the large number of prisoners released on the Jubilee day, and frequent transfer from district to central jails owing to the demand in central jails for prisoners. On potty constructions and repairs the expenditure fell from Rs. 22,831 to Rs. 22,543.

22. *Employment of prisoners and manufactures.*—The total average number of prisoners sentenced to labour fell from 13,339.53 in 1886 to 10,698.30 in 1887. The ratio per cent. of the daily average sick, 4.9, was lower than in any year since 1880, excepting 1886, when it was 4.8. The average number employed under all heads of prison service fell from 4,078.01 to 2,993.93. The number employed on manufactures was 4,925.29 against 5,971.72 in 1886. The proportion per cent. of convicts employed on manufactures to total number sentenced to labour was 46.03. The total profits on the year's workings came to Rs. 2,42,741, or an average profit of Rs. 22-11 per head sentenced to labour. The corresponding figures for 1886 were Rs. 3,10,090 and Rs. 23-4. The falling off is fully accounted for by the Jubilee remissions. In the Presidency Central Jail alone the profits fell from Rs. 91,557 in 1886 to Rs. 69,591-12, or an average of Rs. 61-6 per prisoner sentenced to labour against the previous year's average of Rs. 75-13. The lower earnings in this case were entirely due to the loss of skilled labour by the Jubilee remissions; this cause affected more or less the working throughout the Department.

The average earnings of each prisoner in central jails are shown in the following table:—

		Average earning per prisoner, 1887.	Average earning per prisoner, 1886.
		Rs.	Rs.
Presidency Central Jail	...	58.3	72.0
Alipore	"	42.7	35.4
Buxar	"	40.2	47.6
Midnapore	"	30.8	18.4
Rajshahye	"	21.2	24.6
Dacca	"	3.0	2.4

The Marine, Telegraph, and Army Clothing Departments continued to indent on the Alipore Central Jail, and it supplied opium chest-covers to the value of Rs. 74,134 to the agencies of Benares and Behar. In Buxar the tent industry is rapidly extending. In Rajshahye the earnings were reduced by Rs. 4,377 owing to the settlement of a claim against the jail in respect of the refraction of the seed supplied in 1886-87. In Dacca Central Jail only 27.22 per cent. of the prisoners sentenced to labour were employed on manufactures—a lower figure than in any other Central Jail. The average profits, Rs. 3-3 per head, though very low, are higher than in any previous year since 1881, excepting 1884 and 1885. Till towards the end of 1884 most of the labourers were employed by the Public Works Department, and the efforts to develop a staple industry have not hitherto been very successful. A Commissariat order for *durree* has been obtained by the Jail. Special attention will doubtless be given by Dr. Lethbridge to this matter. The Bhagalpore Central Jail made a loss of Rs. 15,055 on its manufacturing operations. It lost in 1885 the Army contracts for woollen goods. The Inspector-General of Jails made an enquiry on the spot, and he is satisfied that all that is possible is being done to work the mill profitably. It is hoped that the Ordnance Department will be able to help with small orders, which will give a small profit until it again receives a portion of the Army contracts. Darjeeling again heads the list of district jails with an average earning of Rs. 87-8 as compared with Rs. 79-15, the figure for last year. The stock of manufactured articles is still somewhat large, but it is satisfactory to note that it has steadily diminished from Rs. 3,44,400 in

the close of 1884 to Rs. 2,76,416 at the close of 1887. The outstandings at the end of the year were very large, and it is unsatisfactory that they are showing a tendency to increase.

23. *Subsidiary Jails.*—A subsidiary jail was opened during the year at Thakurgaon in the Dinagepore district, bringing the total number up to 85. The average number of inspections by Superintendents was 70, and in 8 cases only were fewer inspections made. Atia, Kishoregunge, Kissen-gunje, Serajgunge, Arrareah and Brahmanbariah were overcrowded. The special report promised by the Inspector-General, after having the capacity of the wards and enclosures re-measured, is awaited. The condition of warder guards attached to subsidiary jails continues to improve. There were only 17 escapes from subsidiary jails, the lowest number on record during the last 10 years. Of those who escaped, 7 were convicts and 10 under-trial prisoners. At Moonshingunge a convict escaped who had, by the order of the Deputy Superintendent, been taken out of the subsidiary jail, contrary to rules, to work in his dwelling-house. The Deputy Superintendent (a Civil Hospital Assistant) has been fined one month's pay, removed from the Jail Department, and transferred. The average detention of convicts rose to 8.05 days, the highest figure since 1880. At Palamow convicts sentenced to three months and under are detained in the subsidiary jail. The Inspector-General's proposal to establish an intermediate jail there is under the consideration of Government. Convicts were detained in the Bhola, Arrareah, Atia and Kishoregunge subsidiary jails owing to their being employed in building the enclosure walls under the Public Works Department. The average cost of each prisoner fell from Rs. 189-10-2 to Rs. 178-1-8. The average number of prisoners, however, rose from 271.41 in 1886 to 310.04 in 1887; so that the total expenditure increased from Rs. 1,33,643 to Rs. 1,36,854. This includes an increase of Rs. 1,805 in the amount spent by the Public Works Department. The average detention of under-trial prisoners was 13.48 days. In Jamui, Fenny, Nowgong, Satkhira and Oolooberiah the detention of under-trial prisoners exceeded 20.50 days. This matter will be dealt with in the Judicial Department.

24. *Vital Statistics.*—There was ample room during the past year in the Bengal jails for the convict population. In a few jails the number of under-trial prisoners exceeded the capacity of the under-trial wards, but in those cases the excess number was invariably removed to empty convict wards. The filtered water of the Bhagulpore water-works was introduced into the Bhagulpore Central Jail in August 1887. The health of the prisoners in the Midnapore Central Jail has much improved since river water has been used all the year round for drinking purposes. Filtered water from the Calcutta supply will shortly be introduced into the Presidency Jail. The rules regulating labour and the weight test have been strictly carried out. The dry-earth system is in force in every jail, and Dr. Warden, by an examination of the soils from different parts of the Presidency Jail garden, has shown that the growing of a rapid succession of crops completely removes all trace of chemical products likely to prove dangerous to health.

25. The sickness and mortality of convicts and under-trial prisoners in all classes of jails for the last ten years is compared in the following statement:—

YEARS.	Daily average number of prisoners.	Daily average sick.	Ratio per mille of daily average sick.	NUMBER OF DEATHS.			DEATH-RATES PER MILLE OF AVERAGE STRENGTH.		
				From cholera.	From all other causes.	Total number of deaths.	From cholera.	From all other causes.	From all causes.
1878	19,811	808	40.8	215	1,073	1,288	11.5	57.8	69.3
1879	18,403	947	51.5	341	1,411	1,752	18.4	76.4	94.8
1880	27,808	941	33.8	31	1,108	1,139	1.7	61.8	63.5
1881	18,860	875	46.4	85	1,014	1,099	5.1	61.4	66.5
1882	18,872	849	45.0	151	938	1,089	8.0	58.8	66.8
1883	14,778	739	50.0	61	701	762	4.1	47.4	51.5
1884	14,898	754	50.6	65	678	743	4.3	45.6	50.0
1885	14,838	773	51.7	157	739	896	10.6	48.7	59.3
1886	14,579	646	44.4	40	585	625	2.7	40.4	43.1
1887	19,047	539	28.3	20	379	399	1.7	31.4	33.1
Total	1,36,814	7,902	40.3	1,168	8,519	9,687	7.3	53.7	61.0
Average	14,881	722	48.5	116	851	967	7.3	53.7	61.0

The death-rate from all causes is the smallest on record, while the death-rate from cholera is lower than in any year since 1880. Khoorna,

Chumparun and Maldah show the largest proportion of admissions into hospital per mille of average strength. Khoolna is practically a hospital, only the sick and feeble being retained there, while healthy prisoners are passed on to Jessore. The Chumparun Jail is said to be on an unhealthy site; the warders, and jail subordinates suffered severely. That the mortality did not exceed 38·5 per mille is to Dr. Bovill's credit. All the drinking and cooking water is carted from the river, six and a half miles away. In Maldah, also, there was much malarious fever, and the warder guard suffered as well as the prisoners, two of them dying. In Lohardugga there were 11 deaths among convicts, giving an annual death-rate of 98·8 per mille. It is reported by the Medical Officer that fully 45 per cent. of those admitted during 1887 were in bad health, and all more or less showed signs of scurvy. None of the prisoners who had passed any length of time in jail were attacked with it.

The following table gives the rates of admissions to hospital and deaths per mille from dysentery and diarrhoea for the years 1883 to 1887:—

			Rate of admission per mille.	Rate of death per mille.
1883	...	...	499·5	21·8
1884	...	...	515·5	19·7
1885	...	...	564·3	23·1
1886	...	...	444·4	14·1
1887	...	...	429·3	12·6

These are diseases considered to be preventible, and the table shows that they were combated with increased success in 1887. The number of deaths from anæmia and general debility show a remarkable falling off; and as the number of admissions into hospital under this head has not diminished proportionately, there appears to be no doubt that this is due; as suggested by the Inspector-General, to the working of the weight test and the stringent rules for the segregation and treatment of all these cases in their earliest stages. The following table gives figures from 1883:—

			Admissions into hospital.	Deaths.
1883	...	...	798	62
1884	...	...	693	70
1885	...	...	694	74
1886	...	...	565	47
1887	...	...	559	24

The number of admissions and deaths from respiratory diseases diminished. Cerebro-spinal fever continued in the Alipore Jail, notwithstanding that all the recommendations of the Medical Committee on the subject were carried out. There was no overcrowding last year, and arrangements were made by which better ventilation was provided in the wards and worksheds. The disease appears to be hardly amenable to treatment. There were 13 cases and 8 deaths in 1887 against 15 cases and 10 deaths in 1886. There were only 18 deaths from cholera, the largest number occurring at Rungpore Jail, at a time when it was very prevalent in the district.

26. The total number of deaths among convicts was 363, or 33·2 per mille, against 38·2 per mille in 1886. Of this number, 354 died in jail, of whom only 95, or 26·83 per cent., were received in good health, 148, or 41·81, in indifferent health, and 111, or 31·36, in bad health. 179 men died within six months of their admission to jail. The following are some of the precautions taken in regard to prisoners admitted into jail in indifferent health. Special gangs are formed, watched by all the jail authorities; tonics are administered; very light work, if any, is given; there is a special diet and mid-day rest of two hours; oil is also allowed to anoint their bodies. The following statement shows the extent to which prisoners discharged from jails in 1887 improved in health during their residence in jail:—

	1				2			
	State of health on admission of those who were discharged from jail, as per column 2.				State of health on discharge of those who were discharged from jail, as per column 1.			
	Good.	Indifferent.	Bad.	Total.	Good.	Indifferent.	Bad.	Total.
In 1887	23,083	7,076	2,598	32,757	21,478	6,411	2,598	30,487
Ratio per cent. to total number discharged from the jail	69·97	21·86	7·17	100·00	70·38	19·18	7·44	100·00

27. The death-rate for 1887 shown in the report has to some extent been affected by the Jubilee remissions. During January, September, October, November and December 1887, the average convict jail population was 11,711, and there were 209 deaths, giving an annual death-rate per mille of 42.8. The average convict jail population during the other seven months of the year came to 9,843, and there were 145 deaths, giving an annual death-rate per mille of 25.2. The death-rate, however, is very satisfactory compared with previous years. This is in some measure attributable to the fact that fever has not of late been so prevalent in a very fatal form as was the case some years ago, and that the general health of the population has appreciably improved. It is still, however, considerably higher than in some other provinces. The report shows clearly the strenuous efforts made to improve the health of the prisoners confined in Bengal Jails, and the marked success which has crowned these measures. Where deaths were due to diseases in any measure preventable and amenable to treatment, either the number of cases diminished, or the virulence of the disease was checked. Thus, though cases of intermittent fever increased, the rate of deaths to admissions into hospital fell from 6.7 in 1886 to 4.7 per cent. Another test of the efforts made and their success is given by the weighment results. In 1886 (the figures for 1887 are not available), of the prisoners discharged from the North-West Provinces Jails, 6,792 neither gained nor lost weight; 21,558 gained and 13,275 lost weight. In 1887 in Bengal 10,120 of those discharged had neither gained nor lost weight; 16,844 had gained and 6,461 had lost weight. In other words, in Bengal, 19.3 per cent. only lost weight against 31.8 per cent. in the North-West. Again, in Bengal, only 2.86 per cent. lost over five pounds, while the percentage in the North-West was 7.21. No measures, however, whatever room there may still be for improvement, appear to be capable of bringing the mortality of the Bengal Jails down to the standard of the North-West. While in Bengal Jails in 1887 no less than 54 deaths out of 399 were due to fever, and in 1886, 92 deaths out of 543; in the North-West Jails in 1886, only 32 deaths out of 463 were due to that cause, one proof among others that, unhealthy as parts of the North-West Provinces may be, the proportion of the population with constitutions broken down by repeated attacks of malarious fever is much smaller than in Bengal. Great credit is due to Dr. Lethbridge for what he has already done, and no doubt even better results will be obtained in the future, as the Superintendents of Jails learn thoroughly to make use of all the precautions prescribed by him in order that illness may be discovered and combated on its first showing itself.

28. *Inspection.*—Dr. Lethbridge visited 36 central and district jails; also 8 subsidiary jails. The official visitors continued to visit the jails regularly. A number of non-officials have lately been added to the list of visitors.

29. The Lieutenant-Governor is glad to observe that the Inspector-General is able to report favourably on the work of almost all his officers. His special commendation of certain officers will be noted in the Appointment Department. Dr. Lethbridge has again earned the thanks of Government for the ability and good judgment he has shown in the administration of a difficult and important department.

By order of the Lieutenant-Governor of Bengal,

J. WARE EDGAR,

Chief Secretary to the Govt. of Bengal.

**REPORT ON THE WORKING OF THE LICENSED WAREHOUSE AND
FIRE-BRIGADE ACT, 1883, IN THE TOWN OF CALCUTTA DURING
THE YEAR 1887-88.**

The 25th June 1888.—The following report is published for general information.

COLMAN MACAULAY,
Secretary to the Govt. of Bengal.

No. 19, dated Calcutta, the 21st June 1888.

From—The Hon'ble SIR HENRY HARRISON, K.T., Chairman of the Corporation of the Town of Calcutta,

To—The Secretary to the Government of Bengal, Municipal Department.

I HAVE the honor to submit the following report, under section 30 of Act IV (B.C.) of 1883, of the jute screw and warehouses in the Town of Calcutta for the year ended 31st March 1888.

2. At the close of last year there were 69 sanctioned warehouses on the register within the limits of the Town. Four new licenses were issued during the year. These make up the total number of warehouses to 73. Of these, the licenses of three warehouses were cancelled during the year for default of payment of license fee, &c.; thus reducing the number at the end of the year to 70, of which a complete list, arranged according to the Acts under which they were originally licensed, is appended to this report.

3. Five applications were received during the year for licensing existing godowns for storage of jute. Of these, two have been sanctioned and three are under consideration.

4. Of the two applications which were mentioned in the last year's report as under consideration, the license for No. 135, Durmahatta Street, was sanctioned, and the application for No. 13-5, Hurro Chunder Mullick's Street, was refused by the Commissioners. The license for No. 58, Nimtollah Ghat Street, has been taken this year under sanction granted in 1886-87.

5. The total of license fees realised during the year from the 70 warehouses mentioned above amounted to Rs. 21,450, or Rs. 200 in excess of last year.

6. No case of fire in any jute godown occurred during the year under report. There was only one prosecution at the Police. The licensee of No. 14, Hurro Chunder Mullick's Street, was prosecuted for a breach of one of the conditions of his license and fined Rs. 25 on the 3rd April 1888.

7. The annexed statement will show the receipts and disbursements of Jute Warehouse Fund during 1887-88.

Abstract account of receipts and disbursements of the Jute Warehouse Fund for the year 1887-88 ending 31st March 1888.

RECEIPTS.	Rs.	A.	P.	Rs.	A.	P.	DISBURSEMENTS.	Rs.	A.	P.	Rs.	A.	P.
Licenses for jute warehouses	21,450	0	0				20 per cent. of the amount of receipts transferred for establishment, &c.	4,298	3	3			
Miscellaneous receipts	16	0	0	21,466	0	0	80 per cent. paid to the Commissioner of Police for Fire Brigade.	17,172	12	9*	21,466	0	0
Balance in Bank of Bengal on 1st April 1887				100	0	0	Balance in the Bank of Bengal on 31st March 1888 on account of deposits				100	0	0
Total				21,566	0	0	Total				21,566	0	0
30 per cent. of amount of receipts during				4,298	3	3	Jute warehouse inspection establishment	3,808	8	0			
							Ditto contingencies	172	1	0	2,740	4	0
							Surplus to be transferred to general fund				552	10	2
Total				4,298	3	3	Total				4,298	3	3

* Of this, Rs. 200 were paid on the 3rd of April 1888.

Complete list of the Jute Warehouses licensed in the Town of Calcutta for the year 1887-88.

No.	Name of street and number of premises.	Name of License-holders.	Annual assessment.	Annual license fee.
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LICENSED UNDER SECTIONS 4-6, ACT II (B.C.) OF 1872.

			Rs.	Rs.
1	Aheereetollah Street	Korum Chand	1,200	200
2	169, do.	Kissen Chand Bhoom Sing	3,000	300
3	170, do.	Radhamoy, Sreenath Dey Chowdhury, &c.	1,368	200
4	172, do.	Sristydhur Dey	1,200	200
5	87 to 87-53, Durmahatta Street	Goopie Kissen, Agent	9,000	900
6	195, do.	Sreedhur Mondul	4-0	50
7	138-39, do.	Do.	360	50
8	7 Doorga Churn Mookerjee's Street.	Peary Mohun Biswas	360	50
9	4, Hurro Chunder Mullick's St.	Prohlad Chundra Shaw	800	100
10	6, do.	Juggeshur Halder	1,200	200
11	14, do.	Gobin Chundra Dutt	1,860	200
12	23, do.	Juggatmohun Shaw	900	100
13	25, do.	Prohlad Chundra Shaw	1,200	200
14	27, do.	Chunder Seekur, Radhica Lall Shaw.	600	100
15	28, do.	Benode Behary Khan	720	100
16	28, Jorabagan Street	Rameshur Aitch	984	100
17	31 to 31-4, Manick Bose's Ghât Street.	Sreemotee Nobinkissoreo Dassee	900	100
18	8, Noyan Soor's Ghât Lane	Goroogobind Shaw & others	1,300	200
19	56, Strand Road	Chumroo Sing	1,680	200
20	57, do.	Judoonath Shaw Chowdhury	1,740	200
21	6, Sobha Bazar Street	Barnachurn Ghose	960	100
22	7, do.	Chandra Seekur Sreekanto Shaw Paramanick.	960	100
23	12, do.	Parbutty Churn Soor	600	100
24	67, do.	Dookhiram Dass	780	100
25	71-1, do.	Deno Nath Shaw	720	100
26	78, do.	Muthoora Kanto Shaw	3,300	400
27	91-92, do.	Sreedhur Mondul	1,596	200
28	98-2, do.	Juggobundhoo Sarat Chunder Shaw.	3,000	300

LICENSED UNDER SECTION 7, ACT II (B.C.) OF 1872.

29	20, Bonomally Sircar's Street...	Dinobundhoo Nundy & others	420	50
30	206, Chitpore Road	Kany Lall Khan	2,400	300
31	247-48, do	Messrs. Finlay, Muir & Co.	21,000	2,000
32	16, Hurro Chundra Mullick's L.	Moharaj Anundo Mohun Shaw	900	100
33	26-27, Jorabagan Street	Peary Mohun Dutt	1,476	200
34	67-27-H-I-A, Strand Road	Secretary, I. G. S. N. Co., Ltd	3,078	400
35	3 to 3-3, Sobha Bazar Street	Lolit Mohun Shaw & others	7,920	800
36	10, do.	Radhanath Laljee Mohun Shaw	2,800	300
37	95-96, do.	Juggat Mohun Shaw	2,400	300
38	98, do.	Sittanath Shaw Chowdhury	3,000	300

LICENSED UNDER ACT II OF 1872 AS AMENDED BY ACT II OF 1875.

39	144, Durmahatta Street	Secretary to the Port Commrs.	4,800	500
40	{ 45, Durgachurn Mookerjee's St., & 202-1, Chitpore Road.	} Issur Chunder Mitter	1,800	200

No.	Name of street and number of premises.	Name of License-holders.	Annual assessment.	Annual license fee.
			Rs.	Rs.
41	24, Hurro Chunder Mullick's L.	Khotter Mohun Biswas ...	300	50
42	36, Manick Bose's Ghât Street	Sreemutty Kannee Dassee ..	3,000	300
43	7, Noyan Soor's Ghât Lane ...	Shumbhoonath and Gobindnath Chowdhury.	1,000	100
44	67-2 & 67-31-II-1, Strand Road	Messrs. Stanley & Co. ...	28,236	2,000
45	67-27-II-1-B, do. ...	Secretary, I. G. S. N. Co., Ltd.	3,078	400
46	100, Sobha Bazar Street ...	Sreedhur Sham Das Mondul ...	1,500	200

LICENSED UNDER SECTION 6, ACT V (B.C.) OF 1879.

47	76-2, 80 & 80-1, Durmahatta St.	Behary Lall Pyne ...	3,300	400
48	143 & 143 1, do. ...	Gooroo Gobind Shaw ...	9,000	900
49	202, do. ...	Gobind Chand Dutt and another	4,000	400
50	5, Doorga Churn Mookerjee's St.	Adhar Chunder Shaw ...	1,380	200
51	6, do. ...	Doyal Chand Shaw ...	1,372	200
52	5, Hurro Chunder Mullick's St.	Juggobundhoo Soshee- Mohun Shaw Pramanick.	1,440	200
53	16, do. ...	Gooroo Churn Shaw ...	960	100
54	9, Noyan Soor's Ghât Lane ...	Nobin Chunder Coondoo ...	1,200	200
55	46, Manick Bose's Ghât Street	Nittanund Shaw ...	2,160	300
56	1, Noyan Soor's Ghât Lane ...	Sabeetry Soondary Dassee ...	840	100
57	62, Nimitollah Ghât Street ...	Managing Agent, India Pressing Company, Ltd. ...	12,000	1,200
58	5, Sobha Bazar Street ...	Bissumbhur Mullick ...	2,500	300
59	90, do. ...	Debnath Shaw and others ...	2,400	300

LICENSED UNDER SECTION 6, ACT IV. (B.C.) OF 1883.

60	13-6, Hurro Chunder Mullick's St.	Bissonath Luchmeenath Pramanick.	960	100
61	82, Nimitollah Ghât Street ...	Judoonath Shaw Chowdhury ...	2,400	300
62	67-9, Strand Road ...	Messrs. Macneill and Co. ...	6,600	700
63	5, Aheeretollah Street ...	Ram Lall Ghose ...	1,800	200
64	98-1, Sobha Bazar Street ...	Juggobundhoo, Sarat Chunder Shaw Chowdhury.	900	100
65	11, Hurro Chunder Mullick's St.	Dwarka Nath Shaw ...	1,320	200
66	44, Manick Bose's Ghât Street	Debendro Deb Dass ...	1,680	200
67	135, Durmahatta Street ...	Bhim Churn Soroop Chunder Roy	3,600	400
68	58, Nimitollah Ghât Street ...	Managing Agent, India Pressing Company, Ltd. ...	5,400	600
69	178 to 178-4, Upper Chitpore Road, and 2 to 2-2, Ramkanto Bose's Street	Messrs. Finlay, Muir & Co. ...	4,800	500
70	67-9-II-1, Strand Road ...	Managing Agent, I. G. S. N. Co., Ltd.	4,452	500

Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the crops in the different districts of Bengal, as reported to Government during the week ending the 23rd June 1888.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.	
BENGAL.				
Western Districts.				
BURDWAN DIV.	1 Burdwan June 23, '88	Nil	Weather—hazy, though cloudless; hot, with strong south wind. Jute and early rice seedlings withering. Later sowings stopped. Common rice still 22 seers per rupee.	
	2 Culna ...	Nil		
	3 Cutwa ...	Nil		
	4 Raneebunge ...	0.06		
	5 Bankura .. 23, '88	.....	
	6 Birbhum .. 23, '88	0.84		
	7 Rampur Haut ...	0.24		
	8 Midnapur .. 23, '88	Nil		
	9 Hugli .. 23, '88	0.10		
	10 Serampur ..	0.83		
PRESIDENCY DIV.	11 Jehanabad ..	Nil	Weather—very slightly cooler towards end of week; wind gone round to south. Rain wanted for seedlings, which are being dried up. Little water in canal for irrigation.	
	12 Howrah .. 25, '88	1.41		
	13 Odoberia ..	0.56		
	14 ..	.....	
	15 ..	.....	
	16 24-Pergha. June 26, '88	0.72		Weather—abnormally hot and close. Rain wanted. Sowing still continued.
	17 Nuddea .. 23, '88	0.07		Weather—hot and sultry; high southerly wind. Want of rain general. Damage to <i>aus</i> crop reported from Kooshtea and Meherpur. Serious loss imminent. Indigo good.
	18 Kooshtea ..	Nil		
	19 Meherpur ..	Nil		
	20 Choudanga ..	0.61		
RAJSHAHY DIV.	21 Ranaghat ..	0.58	Weather—oppressively hot; on Friday (22nd) night a storm cooled the air temporarily. Young <i>aus</i> suffering in Bagichat for want of rain. Ploughing for <i>aman</i> crop retarded.	
	22 Khoolna .. 23, '88	0.58		
	23 Jessore .. 23, '88	0.10		
	24 Magura ..	0.32		
	25 Betgaug ..	0.47		
	26 Moorshedabad .. 23, '88	Nil		Weather—intolerably hot during the week. A shower of rain on the 22nd has cooled down the temperature to some degree. Rain much wanted for young <i>aus</i> and <i>aman</i> .
	27 Dinagpur June 23, '88	2.85		Rainfall not general; weather unusually hot; cloudy for last two days. Weeding of <i>badai</i> and jute in progress. These crops doing well. Lands under preparation for <i>kaimuri</i> . The absence of rain will not affect prospects injuriously if it falls soon.
	28 Thakurgaon ...	0.99		
	29 ..	.....	
	30 ..	.....	
31 Rajshahye .. 23, '88	Nil	Weather—very sultry. Outurn of <i>boro</i> paddy about 12 ams. Paddy is drying up in some tracts for want of rain. Rain urgently required. Price of rice has increased.		
DACC DIVISION.	32 Nattora ..	Nil	Prospects of crops continue good, sufficient rain having fallen. <i>Ast dhan</i> is being reaped and <i>aman</i> planted.	
	33 Nowgong ..	Nil		
	34 Rungpur .. 23, '88	3.30		
	35 Kurigram ..	4.24		
	36 Nilphamari ..	2.48		
	37 Gaibanda ..	1.44		
	38 Bogra .. 23, '88	0.43		
	39 Sherpur ..	Nil		Weather—sultry. Rain wanted, especially in the west of the district.
	40 Nowkhilla ..	0.99		
	41 Pubna .. 23, '88	0.16		Weather—extremely hot. Prospects of crops good.
DACC DIVISION.	42 Serajgungo ..	0.36	Weather—unusually warm. Crops flourishing on the whole, but rain wanted for Indian corn and tea.	
	43 Darjeeling .. 23, '88	0.74		
	44 ..	.....	
	45 ..	.....	
	46 Julpigoree .. 23, '88	3.77		Weather—very hot and sultry. Prospects of crops generally good. Lands are being prepared for winter crops. Common rice sells at 20 seers per rupee.
	47 ..	.....	
	48 ..	.....	
	49 ..	.....	
	50 ..	.....	
	51 Dacca .. 23, '88	0.56		Weather—very hot. Prospects of crops good. Jute and rice plants thriving. <i>Til</i> nearly cut, and <i>aus</i> paddy in low lands being harvested.
DACC DIVISION.	52 Manickgunge ..	Nil	Weather—very hot. Prospects of crops good, but rain is wanted.	
	53 Munshigunge ..	0.5		
	54 Naraingunge ..	0.14		
	55 Furreedpur .. 23, '88	0.26		Weather—very hot. All crops on the ground are suffering from want of rain.
	56 Backergunge .. 21, '88	Nil		Weather—very hot. Prospects of crops good.
	57 Mymensingh .. 22, '88	0.72		
	58 Jamalpur ..	4.53		
	59 Kishorgungo ..	3.41		
	60 Attia ..	1.39		
	DACC DIVISION.	61 Netrokona ..		4.73	Weather—very hot. Prospects of crops good.
62 ..		.....

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather and state and prospects of the crops.
BENGAL—concluded.			
<i>Eastern Districts—concluded.</i>			
CHITTAGONG DIVN.	22 Chittagong June 26, '88	0.16	Weather—hot. Rain much wanted. Prospects of crops fair. Prices unchanged.
	23 Noakholly „ 22, '88	0.04	Weather—very hot and close. <i>Aus</i> plants and <i>amun</i> seedlings suffering from want of rain.
	24 Fenny „ „	0.25	
	24 Tipperah „ 21, '88	0.60	Weather—hot and seasonable, but generally at this time of the year there is more rain. The crops are coming on; and if rain falls soon and in sufficient quantity, as is usual at this time of the year, all will be well.
	25 Bramanberia „ „	2.68	
	25 Chaudpur „ „	0.70	Weather—excessively hot and cloudy throughout the week, except the last day of the week, which was rainy. <i>Jum</i> crops are thriving well. Sugarcane plants are also doing well.
	25 Chittagong Hill Tracts „ 19, '88	1.92	
	Hill Tipperah „ 21, '88	1.62	Weather—hot. Cultivation of lands for late rice continues. Prospects of sugarcane fair. <i>Jum</i> cultivation over.
BEHAR.			
PATNA DIVN.	26 Patna June 23, '88	Nil	Weather—very hot and sultry. <i>Bhadai</i> sowings stopped for want of rain. <i>Makai</i> plants withering. <i>Cheena</i> doing well.
	Barh „ „	Nil	
	Behar „ „	Nil	
	27 Gya „ 23, '88	Nil	Weather—intolerably hot. <i>Bhadai</i> and paddy being sown. Sugarcane being irrigated.
	28 Shahabad „ 23, '88	Nil	Weather—exceedingly hot and sultry. Rain is much wanted for <i>bhadai</i> sowings. Sugarcane and <i>cheena</i> promise well.
	29 Darbhanga „ 23, '88	0.27	Weather—hot. Rain is urgently required for the rice, <i>bhadai</i> , and indigo crops. Agricultural operations are almost at a standstill. Price of common rice averages 19 seers per rupee.
BHADRAPORE DIVN.	30 Mozufferpur „ 23, '88	Nil	Weather—very hot. <i>Bhadai</i> sowings continue, but progress slowly for want of rain. Rain urgently wanted.
	31 Sarun „ 23, '88	Nil	Weather—hot and close; occasionally cloudy, but no rain. Sugarcane doing well. Rain much wanted for indigo, paddy seedlings, <i>makai</i> , and <i>marua</i> transplantation.
	32 Chumparaun „ 23, '88	0.54	Weather—very hot, close and occasionally cloudy. Transplantation of <i>marua</i> has begun, but more rain is needed. Mahai of indigo commenced.
	33 Monghyr „ 23, '88	Nil	Weather—very hot and sultry; east wind blowing for the last two days of the week. Rain very urgently wanted everywhere. If it does not rain soon, the young seed-plants will die completely.
	34 Begu-erai „ „	Nil	
	34 Jamui „ 23, '88	Nil	Weather—abnormally hot and oppressive. The continued drought is seriously affecting the <i>bhadai</i> crops of all kinds and delays completion of sowings. <i>Dhan</i> seedlings too are withering.
	34 Bhagalpur „ 23, '88	Nil	
	35 Purneah „ 23, '88	0.03	Weather—hot, cloudy, indications of rain. Rain has fallen locally. All crops doing well. Rain needed.
	35 Kishengunge „ „	Nil	
	36 Arra „ 23, '88	Nil	Weather—excessively hot during early part of week; last two days cooler; sky overcast. <i>Bhadai</i> crops and <i>amun</i> seedlings have begun to suffer for want of rain. In several places these have been injured more or less by the scorching heat. Common rice selling at an average of 22½ seers per rupee.
	36 Malda „ 23, '88	Nil	No rain, except one or two local showers. The drought does much damage to rice and <i>junera</i> seedlings.
ORISSA.			
ORISSA DIVN.	38 Cuttack June 22, '88	0.26	Weather—very hot. Paddy plants are coming out, but require rain. Price of rice rising high.
	39 Poores „ 21, '88	0.80	Weather—sultry. Rain much wanted. Sowing of winter rice going on. Early rice promising. <i>Dalua</i> rice is being harvested. Common rice sells at 22 seers 3 chittacks (Calcutta weight) per rupee in the Satal sub-division and 20 seers 7 chittacks in the Khoorda sub-division.
	40 Balasore „ 22, '88	Nil	Weather—extraordinarily hot. Sowings stopped for want of rain. Rice seedlings suffering much from same cause.
CHOTA NAGPORE.			
<i>South-West Frontier Agency.</i>			
CHOTA NAGPORE DIVN.	41 Hazaribagh June 22, '88	Nil	Weather—intensely hot and dry. Paddy seedlings withering for want of rain. Scarcity of fodder and water beginning to be severely felt in parts of the district. Sugarcane requires rain. Prices rising.
	42 Lohardugga „ 23, '88	0.05	Weather—very hot and hazy. Rain urgently wanted. Water-supply is growing scanty throughout the district. Seedlings withering. Prospects of crops gloomy. Cattle suffering for want of pasturage.
	43 Palamow „ „	Nil	
	43 Singhbhum „ 22, '88	Nil	Weather—intense heat, cloudy to-day (22nd). <i>Dhan</i> that had germinated and also Indian corn have suffered greatly for want of rain.
	44 Manbhum „ 23, '88	Nil	Weather—intensely hot. The seedlings are every where withering for want of rain. Great scarcity of water in all parts of the district, and considerable distress in consequence.
	44 Govindpore „ „	Nil	

Published for general information.

CALCUTTA REVENUE DEPT.;
The 26th June 1888.P. NOTAR,
Secy. to the Govt. of Bengal.

**PRICES-CURRENT (*RETAIL*) OF FOOD-GRAINS, FIREWOOD AND SALT IN THE
HEAD-QUARTER STATION BAZARS OF THE DISTRICTS OF BENGAL
DURING THE FORTNIGHT ENDING THE
16TH JUNE 1888.**

PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN															
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU (Sorghum Vulgare.)			
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
BENGAL.																	
Western Districts.																	
1	Burdwan	14 8	16 0	14 0	40 0	40 0	40 0	17 4	18 0	18 12	23 8	23 4	23 4	...	...	...
2	Bankoora	13 8	15 0	15 12	20 0	20 0	20 0	18 8	19 0	19 0	20 4	20 4	23 12	...	...	...
3	Beerbhoom	15 12	16 12	18 12	...	...	...	16 8	18 8	18 0	21 0	21 12	24 0	...	...	...
4	Midnapore	13 5	16 0	16 0	40 0	40 0	...	18 8	18 8	19 0	25 0	25 0	24 0	...	...	...
5	Hooghly	14 0	14 0	14 0	...	...	...	10 0	10 0	10 0	18 0	18 0	18 0	...	...	...
	Howrah	Not available.			...	...	...	13 12	14 0	13 4	18 12	18 12	20 0	...	...	...
Central Districts.																	
	Calcutta	13 6	13 10	15 0	22 8	23 0	20 15	11 11	11 13	9 6	17 4	17 4	19 2	21 1	19 12	21 0	
6	24-Pergunnahs	14 0	16 0	14 0	24 0	22 8	26 8	8 0	8 0	8 0	19 0	19 0	18 4	...	...	...
7	Nuddea	16 6	16 6	16 0	28 1 1/2	26 10 1/2	32 0	14 8	14 8	16 0	17 12	17 6	19 8	...	...	...
8	Khoolna	...	...	...	...	...	...	10 0	19 0	19 0	21 0	21 0	23 0	...	...	...
9	Jessore	16 0	16 0	16 0	...	...	...	15 0	16 0	16 0	21 0	22 0	23 0	...	...	...
10	Moorshedabad	15 0	16 0	16 0	...	...	...	16 0	16 0	16 0	22 0	20 0	21 0	...	...	...
11	Dinapore	15 4	16 0	12 0	42 11	...	30 0	19 4	21 0	20 0	22 4	23 4	21 4	...	...	...
12	Rajshahye	18 0	18 0	16 8	45 0	45 0	45 0	18 0	18 0	17 4	21 0	21 0	18 12	...	...	...
13	Rungpore	20 0	17 8	20 0	...	...	...	13 4	13 4	17 0	20 0	20 0	20 0	...	...	...
14	Bogra	15 12	15 0	15 0	...	...	...	15 12	15 12	13 8	23 4	26 4	21 0	...	...	...
15	Pubna	18 12	18 12	20 0	...	...	...	8 4	8 4	8 0	22 8	22 8	23 8	...	...	...
16	Darjeeling	10 0	10 0	10 0	10 0	10 0	10 0	5 0	5 0	5 0	14 0	14 0	12 0	...	...	...
17	Julpigoree	18 0	13 0	11 0	20 0	20 0	20 0	14 0	13 0	13 0	20 0	20 0	22 0	...	...	...
Eastern Districts.																	
18	Dacca	19 0	19 0	14 0	38 0	38 0	22 0	18 0	18 0	17 0	21 0	21 0	19 0	...	...	...
19	Furzedpore	24 0	24 0	26 0	40 0	40 0	30 0	15 0	15 0	18 0	24 0	24 0	20 0	...	...	...
20	Backergunge	...	...	...	...	...	...	15 8	15 8	17 0	20 0	20 0	20 0	...	...	...
21	Mymensingh	12 0	12 0	12 4	...	...	...	15 0	14 0	14 8	20 0	20 0	16 12	...	...	...

A In sub-divisions retail prices of salt per rupee were:—Culina 10½ seers, Cutwa 10½ seers, and Mansegunge 10½ seers.

B At Rampore Haut retail price of salt 11½ seers per rupee.

C In sub-divisions retail prices of salt per rupee were:—Ghatal 11 seers, Tunilok 8 seers, and Dotal 10 seers.

D In sub-divisions retail prices of salt per rupee were:—Serampore 10½ seers and Behanabad 10½ seers.

E In sub-divisions retail prices of salt per rupee were:—Baraset, Benchat and Diamond Harbour (Kaltihat) 9 seers, Ferozpur 6½ seers, and Dum-Dum 10 seers.

F In sub-divisions retail prices of salt per rupee were:—Karatia and Baraghat 10 seers, and Mithapora and Chandelganga 10½ seers.

G In Sankura sub-division retail price of salt 9 seers ½ chittaks per rupee.

SEERS OF 80 TOLAHS.

BAJRA OR CUMBU. (<i>Pennisetum typho- ideum.</i>)			MARUA OR FAGI. (<i>Eleusine Corocana.</i>)		
Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.

[illegible][illegible]

KANGI OR KAKUN. ITALIAN MILLET. (<i>Setaria italica</i> .)			GRAM, CHANA, CHHOLA, KADALAY, OR SUNAGA. (<i>Cicer arietinum</i> .)		
Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.

S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.
...	23	0	28	0	25	8		
...	20	0	20	0	19	8		
...	22	8	22	8	26	8		
...	20	0	18	0	17	0		
...	19	0	19	0	20	0		
...	20	0	20	0	20	8		

17	12	15	14	16	4	19	14	20	15	19	14
12	0	13	0	20	0	22	8	22	8	22	8
...	...	...	...	...	...	25	8	26	10	29	0
...	...	...	...	...	...	16	0	20	0	16	0
...	...	...	...	...	...	26	4	26	8	26	8
...	...	...	...	...	...	24	0	24	12	29	0
...	...	...	...	...	...	19	8	16	4	17	8
...	...	...	...	...	...	25	8	26	4	28	2
...	...	...	...	...	...	20	0	16	0	20	0
...	...	...	...	...	...	17	4	16	8	19	8
...	...	...	...	...	...	26	4	26	4	28	4
...	...	...	...	...	...	10	0	10	0	11	0
...	...	...	...	...	...	18	0	20	0	20	0

...	...	...	...	17	8	17	8	16	0		
...	...	...	...	16	0	16	0	32	0		
...	...	...	...	11	10	11	10	15	0		
...	...	...	...	16	0	6	0	16	8		

Head-quarter Station Bazars of the Districts of Bengal on the 15th June 1888.

												WHOLESALE PRICES PER MAUND Q ^r 40 SEERS.			DISTRICTS.
INDIAN-CORON MAIZE (Zea Mays.)			ARHAR OR TUR CADJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.			
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
8. Ch.	8. Ch.	4. Ch.	8. Ch.	8. Ch.	8. Ch.	8. Ch.	8. Ch.	4. Ch.	8. Ch.	8. Ch.	8. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
...	23 0	23 0	26 8	120 0	120 0	120 0	A 10 8	10 7½	13 6	3 10 0	3 10 0	2 13 6	Burdwan.
27 0	27 0	35 0	21 0	21 8	21 0	280 0	320 0	280 0	10 8	10 4	12 8	3 14 6	3 13 6	3 3 0	Bankoora.
...	15 0	15 4	15 0	160 0	160 0	160 0	B 10 0	10 0	12 12	3 12 0	3 10 0	3 0 0	Boerbhoofa.
...	14 0	14 8	13 0	120 0	120 0	155 0	C 10 8	10 6	12 12	3 12 0	3 14 0	3 2 0	Midnapore.
...	18 0	18 0	14 0	120 0	120 0	120 0	D 9 0	9 0	13 8	4 6 0	4 6 0	2 14 0	Hooghly.
...	14 0	14 0	12 4	100 0	100 0	90 0	9 0	9 0	13 0	3 11 0	3 13 0	3 0 0	Howrah.
Central Districts															
20 0	20 0	23 0	17 13	17 14	18 0	95 0	99 6	80 0	10 9	10 8	13 0	3 7 9	3 8 7	3 0 0	Calcutta.
...	...	26 8	19 0	19 0	21 4	110 0	110 0	90 0	D 10 8	10 8	13 0	3 8 0	3 8 0	2 15 0	24-Pergunnahs
...	20 0	20 0	20 0	...	...	...	E 9 13	9 2	11 10½	4 0 0	4 0 0	3 0 0	Nuddea.
...	160 0	120 0	160 0	F 8 0	8 0	10 8	4 8 0	4 8 0	3 12 0	Khoolna.
...	22 0	21 0	22 12	100 0	100 0	110 0	G 10 10	9 0	10 12	3 12 0	3 14 0	3 2 0	Jessore.
...	20 0	23 0	21 0	200 0	200 0	130 0	H 10 8	11 8	12 0	3 12 0	3 8 0	3 5 0	Moorshedabad.
...	11 0	10 8	10 0	160 0	160 0	160 0	I 10 0	9 8	12 8	3 14 0	4 0 0	3 2 0	Dinapore.
...	15 18	16 4	16 4	240 0	240 0	240 0	J 9 0	9 0	12 0	4 0 0	4 0 0	3 2 6	Rajshahy.
...	10 13	10 0	8 10	120 0	120 0	120 0	K 10 0	10 12	10 6	.....	3 7 0	3 8 0	Rungpore.
...	90 0	90 0	90 0	7 14	7 10½	10 8	5 0 0	5 0 0	3 8 0	Bogra.
...	25 4	26 4	18 12	200 0	200 0	200 0	L 10 0	10 0	12 0	.....	.....	3 5 0	Pabna.
20 0	20 0	25 0	8 0	8 0	8 0	120 0	120 0	120 0	8 0	8 0	9 0	.....	.....	4 6 0	Darjeeling.
20 0	20 0	30 0	12 0	12 0	12 0	128 0	128 0	128 0	M 9 0	9 0	11 6	4 2 0	.....	3 6 0	Julpigoree.
Eastern Districts															
...	17 0	17 0	16 0	120 0	120 0	120 0	N 8 8	8 8	12 0	4 4 0	4 4 0	3 8 0	Dacca.
...	20 0	120 0	120 0	120 0	9 0	9 0	12 0	4 5 0	4 5 0	3 1 0	Furreedpore.
...	11 0	11 0	15 0	120 0	120 0	120 0	O 10 0	10 0	12 0	3 12 0	3 12 0	3 4 0	Backergunge.
...	12 0	11 8	14 0	...	...	...	P 8 8	8 8	12 0	4 5 0	4 8 0	3 5 0	Mymensingh.

H In sub-divisions retail prices of salt per rupee were:—Lalbagh 10 seers and Jungipore 10½ seers.

I In sub-divisions retail prices of salt per rupee were:—Nattore 9½ seers and Nowgong 9½ seers.

J In sub-divisions retail prices of salt per rupee were:—Nattore 9½ seers and Nowgong 9½ seers.

K In sub-divisions retail prices of salt per rupee were:—Kurigram 8 seers, Gaibanda 7½ seers, and Nilphamari 10 seers.

L In sub-divisions retail prices of salt per rupee were:—Kurigram 8 seers, Gaibanda 7½ seers, and Nilphamari 10 seers.

M In sub-divisions retail prices of salt per rupee were:—Kurigram 8 seers, Gaibanda 7½ seers, and Nilphamari 10 seers.

N In sub-divisions retail prices of salt per rupee were:—Manikgunge 9 seers, Munshigunge 8½ seers, and Naraingunge 9 seers.

O In sub-divisions retail prices of salt per rupee were:—Patuakhali 8 seers, Porozpore 9 seers, and Bhola 10½ seers.

P In sub-divisions retail prices of salt per rupee were:—Kishoregunge 8 seers, Jamalpore 8 seers, Attea 10 seers, and Netrokona 8 seers.

PRICES-CURRENT. (retail) of Food-grains, Firewood and Salt in the Head-quarter

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN														
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLU. (Sorghum Vulgare.)		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.

Eastern Districts—concluded.

		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
22	Chittagong ...	11 8	11 8	16 0	...	...	...	13 0	13 0	12 0	20 0	18 12	18 8	...	...	...
23	Noakholly ...	...	...	...	...	...	...	19 0	19 0	18 0	21 0	21 0	20 0	...	...	...
24	Tipperah ...	12 8	12 8	11 7	...	...	...	17 8	17 8	14 15½	22 0	22 0	18 17½	...	...	...
25	Chittagong Hill Tracts.	...	...	...	...	...	...	13 14	13 5	10 11	15 4	15 4	11 6½	...	...	...
	Hill Tipperah...	8 0	8 0	12 0	...	...	...	10 0	10 0	12 0	22 0	22 0	16 0	...	...	...

BEHAR.

		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
26	Patna ...	19 0	19 0	17 8	28 0	28 0	32 0	11 8	11 8	11 8	20 0	20 0	21 0	...	18 0	26 0
27	Gya ...	17 0	17 0	16 0	24 0	25 0	35 0	11 0	10 0	9 0	16 0	16 0	18 8	...	...	...
28	Shahabad ...	17 0	17 0	16 8	25 0	25 8	38 0	10 0	9 0	8 0	18 0	18 0	17 0	...	...	...
29	Durbhunga ...	16 8	16 8	17 10	30 0	31 0	28 10	13 0	13 8	12 0	19 0	20 0	18 12	...	...	...
30	Mozufferpore ...	16 0	16 0	19 0	25 0	25 0	30 0	12 0	12 0	10 0	18 0	18 0	20 0	...	...	...
31	Sarun ...	17 2	17 2	15 0	24 8	25 8	29 0	9 8	9 8	8 0	19 4	19 12	21 0	...	...	...
32	Chumparun ...	17 0	17 0	20 0	30 0	30 0	38 0	8 0	9 0	7 8	17 0	16 8	18 0	...	...	...
33	Monghyr ...	17 12	18 9	18 14	27 15	33 9	32 6	13 10	13 14	14 1	15 12	16 12	16 12	15 12	...	21 0
34	Bhagulpore ...	18 4	18 4	17 10	25 4	26 8	37 14	15 2	15 2	17 10	17 10	17 10	18 15	...	...	...
35	Purneah ...	20 0	18 0	18 0	29 0	...	...	19 0	19 0	16 0	20 0	21 0	20 0	...	...	...
36	Meldah ...	18 0	13 0	16 8	...	...	...	14 0	14 0	14 0	20 0	21 0	19 0	...	...	...
37	Sonthal Pergas.	13 8	13 0	13 0	...	...	...	16 8	16 0	18 0	20 0	20 0	25 0	...	...	...

ORISSA.

		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
38	Cuttack ...	10 8	10 8	14 7	...	...	...	11 13	11 13	13 2	19 11	18 6	19 11	...	...	...
39	Pooree ...	13 2	14 7	10 8	...	...	...	11 13	13 2	14 7	21 0	21 0	22 5	...	...	...
40	Balasore ...	15 0	15 0	15 0	13 0	13 0	13 0	13 0	14 0	14 0	26 0	27 0	25 0	...	...	...

CHOTA NAGPORE.

South-West Frontier Agency.

		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
41	Mazaribagh ...	13 0	15 0	18 0	17 0	19 0	21 0	8 0	8 0	9 0	14 0	15 0	18 0	Not procurable.		
42	Lohardugga ...	12 0	13 0	22 0	...	...	26 0	15 0	15 0	17 0	18 0	19 0	22 0	...	...	...
43	Siagbhoom ...	19 0	14 0	20 0	16 0	16 0	32 0	12 0	16 0	20 0	20 0	20 0	24 0	...	...	...
44	Manbhoom ...	13 5	13 0	18 0	...	24 0	38 0	14 0	14 0	18 8	21 0	21 0	22 0	...	...	...

Q In Cox's Bazar sub-division retail price of salt 8 seers per rupee.

R At Panchgachia in the Fenny sub-division retail price of salt 8 seers per rupee.

S In sub-division retail prices of salt per rupee were:—Buxar 10 seers, Bhabuan 7 seers, and Baneram 9 seers.

T In Madhubani and Tajpore sub-divisions retail price of salt 10 seers per rupee.

U At Hajipore retail price of salt 9½ seers per rupee.

V At Bettiah retail price of salt 9 seers per rupee.

CALCUTTA,
The 26th June 1888.

● ●

HAJRA OR CUMBU. (<i>Penicetum typho- ideum.</i>)			MARUA OR RAGI. (<i>Eleusine Corocana.</i>)		
Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.

[illegible]

KANGNI OR KAKUN. ITALIAN MILLET. (<i>Setaria italica</i> .)			GRAM, CHANA, CHHOLA, KADALA, OR SUNAGA. (<i>Cicer arietinum</i> .)		
Present return.	Next preceding re- turn.	Corresponding re- turn of last year.	Present return.	Next preceding re- turn.	Corresponding re- turn of last year.

S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.
...	16	0	16	0	13	0	...	...
...	11	0	11	0	13	0	...	...
...	14	4	14	4	14	0	...	...
...
...	12	0	12	0	12	0	...	...

21	0	23	0	24	0	29	0	29	0	30	0
17	0	19	0	16	0	23	8	25	0	27	8
...	...	...	...	...	...	25	4	26	8	30	0
...	...	...	...	...	...	23	0	22	4	26	0
...	...	...	...	...	...	24	0	25	0	27	0
16	8	15	8	14	0	24	8	22	4	27	0
...	...	...	...	...	...	21	0	21	8	23	0
12	0	...	...	21	0	20	4	29	7	22	8
...	...	...	...	...	...	25	4	27	12	27	12
16	0	16	0	16	0	26	0	30	0	20	0
...	...	...	...	...	...	27	0	28	0	27	0
...	...	...	...	...	...	21	0	22	0	22	0

...	...	...	18	6	(Kalsi) 19 11	17	1
...	...	...	18	6	(Kalsi) 18 0	13	2
...	...	...	16	0	16 0	16	0

Not procurable.	...	...	...	18	0	19	0	20	0
...	...	...	...	18	0	19	0	20	0
...	...	...	...	14	0	14	0	16	0
...	...	...	...	17	0	17	8	16	0

Station Bazars of the Districts of Bengal on the 15th June 1888—(concluded).

												WHOLESALE PRICES PER MAUND OF 40 SEERS.			DISTRICTS.
INDIAN-CORN OR MAIZE. (Zea Mays.)			ARHAR OR THUR. CANDIAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.			
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
...	...	...	10 0	10 0	9 0	110	110 0	80 0	Q 9 0	9 0	10 0	3 14 0	3 14 0	3 10 0	Chittagong.
...	...	...	...	...	...	...	...	...	R 8 0	8 0	9 0	4 8 0	4 8 0	3 12 0	Noakholly.
...	...	...	10 0	10 0	9 11 1/2	...	...	...	8 0	8 0	11 8	4 10 0	4 10 0	3 6 0	Tipperah.
...	...	...	...	...	...	320	320 0	320 0	8 0	8 0	8 0	4 8 0	.....	4 8 0	Chittagong Hill Tracts.
...	...	...	12 0	12 0	16 0	...	...	...	9 0	9 0	11 0	4 4 0	4 4 0	3 4 0	Hill Tipperah.
Eastern Districts—concluded.															
BEHAR.															
...	28 8	27 0	8 0	29 0	28 0	110 0	120 0	120 0	9 8	9 12	11 8	3 12 0	3 12 0	3 1 6	Patna.
...	...	...	15 0	14 0	22 0	140 0	160 0	100 0	9 8	9 8	11 0	4 4 0	4 4 0	3 5 0	Gya.
...	...	...	15 0	14 0	16 0	50 0	140 0	160 0	10 0	10 0	12 0	.....	.....	3 5 0	Shahabad.
30 0	31 0	27 8	21 0	25 0	20 11	160 0	178 0	10 0	10 0	12 0	3 10 0	3 10 0	3 0 0	3 0 0	Darbhunga.
23 0	24 0	10 0	27 0	27 8	22 0	160 0	160 0	10 0	10 0	12 0	3 12 0	3 12 0	3 1 0	3 1 0	Muzafferpore.
23 8	23 8	30 0	27 0	27 4	25 8	160 0	160 0	120 0	10 0	10 0	12 0	3 14 0	3 14 0	3 3 0	Saran.
24 0	25 0	31 0	28 0	29 8	22 8	160 0	160 0	160 0	9 8	9 0	12 0	4 0 0	4 0 0	3 4 0	Chumpran.
21 0	21 0	27 4	24 2	23 1	22 0	126 0	126 0	126 0	10 0	10 0	12 0	3 12 0	3 12 0	3 0 0	Monghyr.
25 4	25 4	35 5	24 0	25 4	22 11	151 8	151 8	138 14	10 1	10 1	12 10	.....	.....	.....	Bhagulpore.
...	...	...	21 0	14 0	14 0	120 0	120 0	120 0	8 8	8 8	10 8	4 8 0	4 8 0	3 10 0	Purneah.
...	...	...	...	...	...	120 0	120 0	120 0	9 8	9 8	11 8	4 2 0	4 0 0	3 5 0	Maldah.
14 0	28 0	32 0	24 0	24 0	28 0	200 0	200 0	200 0	10 0	9 0	11 8	3 14 0	4 0 0	3 4 0	Southal Parganas.
ORISSA.															
...	...	...	15 12	15 12	...	80 0	80 0	80 0	9 0	10 0	13 0	4 7 0	3 14 0	3 1 0	Cuttack.
...	...	...	15 12	15 12	14 7	80 0	80 0	70 0	10 8	10 8	14 7	3 8 0	3 8 0	2 10 0	Pooree.
...	...	...	13 0	11 8	11 0	200 0	200 0	160 0	9 8	9 8	10 8	4 0 0	4 0 0	3 5 0	Balasore.
CHOTA NAGPORE. South-West Frontier Agency.															
8 0	19 0	34 0	18 0	18 0	21 0	280 0	320 0	320 0	8 0	8 0	10 0	4 12 0	4 8 0	3 10 0	Hazaribagh.
...	18 0	...	22 0	22 0	28 0	140 0	140 0	120 0	8 0	8 0	9 12	.....	.....	4 0 0	Lohardugga.
...	...	...	20 0	20 0	20 0	240 0	240 0	320 0	8 8	8 0	8 0	5 12 0	6 0 0	4 0 0	Singbhoom.
1 0	24 0	...	22 0	22 8	23 0	200 0	200 0	200 0	8 0	8 0	10 10	4 5 0	4 6 0	3 8 0	Manjhi.

* In sub-divisions retail prices of salt per rupee were:—Bogussera 9 seers and Jamui 9 1/2 seers.
 † In sub-divisions retail prices of salt per rupee were:—Kishengunge 9 seers and Arrareah (at Ranigunge) 8 1/2 seers.
 ‡ In the Khoordab sub-division retail price of salt 8 seers per rupee.
 § At Bhadruck retail price of salt 8 seers per rupee.
 ¶ At Kishengunge retail price of salt 8 1/2 seers per rupee.
 †† At Gosingpore retail price of salt 9 seers per rupee.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

15th June 1888.

ARHAR OR THUB CAJAN PEA. (<i>Cajanus indicus</i> .)			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
0 1 15 10	1 15 6	2 0 0	0 6 2	0 6 3	0 6 9	3 7 0	3 8 7	3 0 0	Calcutta.
...	...	...	...	...	...	3 11 6	3 14 0	3 2 0	Sorajgunge.
2 0 0	2 0 0	2 7 0	0 5 0	0 5 0	0 5 0	4 4 0	4 4 0	3 3 0	Dacca.
2 8 0	2 8 0	3 4 0	0 10 0	0 10 0	0 8 0	4 0 0	4 0 0	3 2 0	Naraingunge.
3 12 0	3 12 0	4 0 0	0 5 0	0 5 0	0 10 0	3 14 0	3 14 0	3 10 0	Chittagong.
1 6 0	1 6 0	1 5 6	0 6 0	0 6 0	0 6 0	3 12 0	3 12 0	3 1 6	Patna.
3 0 0	3 3 0	3 4 0	0 4 0	0 4 0	0 4 3	4 0 0	4 2 0	3 5 0	Balasore.
...	...	...	...	...	...	3 8 0	3 8 0	2 10 0	Pooree.
2 5 0	2 5 0	...	0 8 0	0 8 0	0 8 0	4 7 0	3 14 0	3 1 0	Cuttack.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

PRICES CURRENT (wholesale) of Food-grains, Firewood, and Salt in the

Number.	MAJRS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 11 10	2 10 9	2 9 0	1 8 8	1 7 9	1 6 0	3 2 7	3 2 5	3 4 0	2 1 5	2 1 5	1 13 6
2	Serajgunge ...	2 0 0	1 14 0	...	...	...	...	3 1 0	3 6 0	3 12 0	1 14 0	1 15 0	2 0 0
3	Dacca ...	2 0 0	2 0 0	2 12 0	1 0 0	1 0 0	1 11 0	2 2 0	2 2 0	2 6 0	1 14 0	1 14 0	2 0 0
4	Naraingunge ...	...	...	...	...	...	...	2 0 0	2 0 0	2 8 0	1 12 0	1 12 0	2 6 0
5	Chittagong ...	3 6 0	3 6 0	2 6 0	...	...	...	3 14 0	3 12 0	3 2 0	1 14 0	2 3 0	2 4 0
6	Patna ...	2 0 0	2 2 0	2 4 0	1 6 0	1 6 0	1 8 6	3 0 0	3 0 0	3 0 0	1 16 0	1 15 0	1 13 0
7	Balasore ...	2 8 0	2 8 0	2 8 0	3 0 0	3 0 0	3 0 0	3 0 0	2 12 0	2 12 0	1 7 0	1 7 0	1 7 0
8	Poorooj ...	...	...	...	...	...	...	...	...	...	1 14 0	1 14 0	1 11 0
	Cuttack ...	3 10 0	3 10 0	2 10 0	...	...	...	3 4 0	3 4 0	3 0 0	2 0 0	2 2 0	2 0 0

CALCUTTA,
The 26th June 1888.

PRICES PER MAUND					
JOWAR OR CHH. UM. (<i>Sorghum Vulgare</i> .)			BAJRA OR CUMBU. (<i>Pennisetum typhoides</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1 10 5	1 12 6	1 10 0	2 3 11	2 4 0	2 6 0
...
...
...
...
...
...	2 2 0	1 6 0	...	...	1 6 0
...
...
...

OF 40 SEERS.

MARUA OR RAGI. (<i>Eleusine Corocana</i> .)			KANGNI OR KAKUN. ITALIAN MILLET. (<i>Setaria Italica</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
...	2 0 0	2 4 7	2 6 0
...
...
...
...
...	...	1 6 0	1 3 0	1 12 0	1 9 6
...
...
...

undermentioned *Marts* of Bengal on the 15th June 1888.

GRAM, CHANA, CHHOLA, CADALAY OR SUBAGA. (<i>Cicer Arctium</i> .)			INDIAN-CORN OR MAIZE. (<i>Zea Mays</i> .)			ARHAR OR THUR CADJAN PEA. (<i>Cajanus indicus</i> .)			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 12 1	1 10 8	1 9 0	1 11 11	1 12 0	1 8 0	1 15 10	1 15 6	2 0 0	0 6 2	0 6 3	0 6 9	3 7 9	3 8 7	3 0 0	Calcutta.
2 6 6	2 10 0	2 3 0	...	...	...	...	...	...	...	...	...	3 11 6	3 14 0	3 2 0	Sonjgungo.
2 1 0	2 1 0	2 7 0	...	...	...	2 0 0	2 0 0	2 7 0	0 5 0	0 5 0	0 5 0	4 4 0	4 4 0	3 3 0	Dacca.
2 4 0	2 4 0	2 4 0	...	...	...	2 8 0	2 8 0	3 4 0	0 10 0	0 10 0	0 8 0	4 0 0	4 0 0	3 2 0	Naraingungo.
2 6 0	2 6 0	3 0 0	...	...	...	3 12 0	3 12 0	4 0 0	0 5 0	0 5 0	0 10 0	2 14 0	2 14 0	3 10 0	Chittagong.
1 6 0	1 6 0	1 5 6	...	1 6 6	1 5 9	1 6 0	1 5 6	0 5 6	0 5 0	0 5 0	0 5 0	3 12 0	3 12 0	3 1 6	Patna.
2 6 0	2 6 0	2 5 0	...	...	...	3 0 0	3 3 0	3 4 0	0 4 0	0 4 0	0 4 3	4 0 0	4 2 0	3 5 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	3 8 0	6 8 0	2 10 0	Poorce.
(Kailash) 2 2 0	2 0 0	2 0 0	...	...	...	2 5 0	2 5 0	...	0 8 0	0 8 0	0 8 9	4 7 0	2 14 0	3 1 0	Cuttack.

Published for general information.

P. NOLAN,
Secy. to the Govt. of Bengal.

Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.													
			AIR PRESSURE.			WIND.		TEMPERATURE.								
			Mean barometric height, 16 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A.M. temperature.
ORISSA.	Pooree	Pooree	29.568	29.575	—	SW	339	100.5	16th June	79.3	17th June	92.7	82.9	87.8	—	86.0
	Pooree	Gopalpore	29.532	29.582	—0.058	S & SSW	387	93.7	16th & 21st June	81.8	17th "	90.0	83.5	87.1	+5.7	88.2
	Pooree	False Point	29.550	29.571	—0.021	South-westerly	367.0	100.0	16th "	80.2	16th "	97.4	81.0	87.8	+1.7	89.5
	Cuttack	Cuttack	29.477	29.555	—0.078	South-westerly	169	111.4	20th "	81.0	17th "	106.4	83.8	93.1	+8.2	96.0
	Balasore	Balasore	29.463	29.520	—0.057	S & S-W	147.4	108.5	16th "	80.0	17th "	104.5	83.5	94.0	+11.3	96.0
SOUTH-WEST BENGAL.	South-West Midnapore	Saugor Island	29.515	29.510	—0.005	S	53.3	96.7	16th "	77.5	15th "	94.0	84.4	89.7	+4.0	91.0
	South 24-Pergunnahs	Midnapore	29.532	29.527	—0.005	NW	160.2	111.4	21st "	82.0	17th "	108.9	83.8	96.4	+12.8	98.7
	24-Pergunnahs	Calcutta	29.501	29.525	—0.024	SSW	178	103.9	16th "	78.7	19th "	103.4	81.4	90.9	+6.1	92.4
	Howrah	Burdwan	29.411	29.508	—0.097	S	113.3	108.2	21st "	80.4	17th "	105.8	83.0	94.4	+9.0	93.8
	Hooghly	Bankoora	29.503	—	—	WNW	134	112.0	21st "	83.1	17th "	110.2	84.7	97.4	—	100.1
EAST BENGAL.	Bearbhom	Ranagunge	29.176	29.470	—0.294	Variable	109.1	112.5	21st "	83.3	17th "	110.1	84.0	91.5	+13.4	99.3
	West Burdwan	Berhampore	29.478	29.524	—0.046	S	95.7	102.7	20th & 21st June	79.3	17th & 19th June	90.6	81.2	86.4	+4.7	89.8
	Moorsheadabad	Krishnagar	29.157	29.521	—	SSW & SSE	158.0	101.8	18th, 19th & 21st June	78.2	19th "	100.5	80.8	90.7	+7.0	92.3
	Nuddea	Jessore	?	?	?	S	134.8	98.8	16th, 18th & 19th June	78.0	16th "	97.7	81.7	86.7	+5.0	92.3
	Jessore	Khoolna	?	?	?	S	134.8	98.8	16th, 18th & 19th June	78.0	16th "	97.7	81.7	86.7	+5.0	92.3
NORTH BENGAL.	Chittagong	Chittagong	29.540	29.638	—0.098	SSE	127	91.7	16th "	75.0	17th "	83.3	8.6	81.0	+2.7	86.6
	Chittagong Hill Tracts	Demasiri	Observations not received.													
	Backergunge	Barrisal	29.561	29.576	—0.015	S	118.1	94.8	17th "	78.8	16th & 22nd "	93.2	81.3	87.3	+5.5	89.3
	Noakhully	Noakhully	29.561	29.605	?	SSE	?	99.3	20th "	81.8	16th June	98.9	83.6	86.2	?	?
	Farredpore	Farredpore	29.533	29.572	—0.039	S	150	95.0	20th "	76.9	19th "	93.9	80.3	87.1	+4.8	85.5
NORTH-BEHAR.	Dacca	Dacca	29.517	29.565	—0.048	SSE	161	94.1	20th "	73.1	13th "	93.0	80.8	86.9	+3.5	83.5
	Commillah	Commillah	29.540	29.575	—0.035	SE	153.4	95.3	18th, 19th June	74.8	18th "	92.0	79.9	85.0	+4.2	87.3
	Mymensingh	Mymensingh	29.520	29.577	—0.057	ESE	140.4	90.8	19th "	72.6	18th "	89.1	77.3	83.2	+1.2	85.9
	Bogra	Bogra	29.481	29.543	—0.062	E	141.5	94.3	21st "	72.3	18th "	92.1	77.7	84.9	+1.9	87.3
	Pubna	Serajgunge	29.508	29.554	—0.046	SE	161.5	93.0	21st "	73.2	18th "	92.3	79.2	85.8	+2.9	86.9
SOUTH-BEHAR.	Rajshahye	Rampore Beaulah	29.467	29.536	—0.069	SE	170	98.4	21st "	74.8	16th "	95.5	79.5	87.5	+5.1	89.4
	Maldah	Maldah	29.390	—	—	SE	95.8	103.7	21st "	70.4	16th "	102.5	81.0	91.8	—	91.7
	Dinapore	Dinapore	29.400	29.525	—0.125	ESE	172	94.1	20th, 21st June	71.1	21st "	93.1	77.5	84.8	+2.1	86.5
	Rungpore	Rungpore	29.441	29.567	—0.126	E	165	92.8	20th "	71.7	20th & 21st June	91.2	73.8	82.5	+0.6	85.0
	Julpigoree	Julpigoree	29.273	29.558	—0.285	NE, E	114.9	92.0	19th, 20th "	72.8	21st "	90.3	76.0	83.2	+2.4	84.2
CHOTA NAGPUR.	Darjeeling Hill Tracts	Darjeeling	22.870	—	—	Westerly	168	71.5	20th "	54.1	18th "	69.2	56.6	62.9	+2.6	63.4
	Purneah	Purneah	29.407	29.531	—0.124	ESE	55.3	99.3	20th "	72.6	22nd "	95.8	74.0	85.9	+7.6	90.3
	North Bhagulpore	Mozufferpore	Observations suspended.													
	Durbhunga	Durbhunga	29.318	29.511	—0.193	ESE	98	103.9	20th & 21st June	74.3	22nd "	99.3	82.7	91.2	+6.0	91.5
	Chumparun	Motihari	29.276	29.497	—0.221	SE	148.7	105.8	20th "	69.3	22nd "	102.0	80.0	91.0	+6.6	91.5
ASAM.	Saran	Chupra	29.300	29.497	—0.197	WNW	169.7	102.3	18th "	82.5	17th & 22nd "	100.0	84.2	92.1	+5.2	91.5
	Shahabad	Buxar	29.258	29.490	—0.232	W	280.6	113.5	21st "	83.9	17th, 18th & 22nd June	111.6	89.3	100.5	+10.0	91.5
	Gya	Arrah	29.300	29.480	—0.180	W	142.0	109.9	21st "	82.7	17th "	107.9	86.7	97.8	+4.5	91.5
	Gya	Gya	29.124	29.485	—0.361	WNW	112.5	113.6	21st & 22nd June	74.3	18th "	111.3	78.7	95.0	+6.4	104.6
	Patna	Bankipore	29.325	29.507	—0.182	North-westerly	85.1	111.6	21st "	82.7	17th & 22nd June	105.7	84.1	96.4	+8.3	97.6
SOUTH-BENGAL.	South Bhagulpore	Bhagulpore	29.343	29.502	—0.159	E	91.0	102.4	20th "	80.0	22nd "	99.3	85.6	91.0	+8.2	93.4
	24-Pergunnahs	Doonaka	29.017	—	—	South-easterly	231.6	110.2	21st "	81.7	17th "	105.9	83.9	94.9	—	91.0
	Hazariabagh	Hazariabagh	27.572	29.486	—0.115	WNW	237.8	108.0	22nd "	80.4	17th "	105.1	83.9	94.5	+11.5	99.7
	Lohardugga	Ranchee	27.461	29.491	+0.030	North-westerly	164.4	107.0	22nd "	78.9	17th "	104.0	83.5	93.8	+14.8	97.4
	Manbhoom	Chyabaga	28.762	—	—	SSW	77.1	110.5	22nd "	84.7	17th "	108.8	85.3	95.8	—	99.6
SOUTH-BENGAL.	Sibsagar	Sibsagar	29.280	29.611	—0.331	North-easterly	48.0	92.6	16th "	76.0	17th "	90.0	78.4	84.2	+0.6	84.7
	Dhubri	Dhubri	29.406	29.633	—0.227	Calm	99.3	91.2	19th "	71.3	21st "	88.9	73.9	81.4	+0.6	81.5
	Silchar	Silchar	29.530	29.636	—0.106	Variable	48	92.5	22nd "	72.8	20th "	89.6	74.8	83.2	—0.5	79.5

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical average or means of the readings during the same period for the last ten years. The humidity of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers in the district column are the numerical means or average of the rain in that district determined from the returns sent in by the sub-divisional stations for the period in question during the previous year in the district sending in returns by the sub-divisional stations. A rainy day is one on which at least hundredth of an inch fell.

Friday, the 22nd of June 1888.

DISTRICT OBSERVATIONS.													Representative station.	District.	METEOROLOGICAL DIVISION.
OF WEEK.	RAINFALL.														
	Since 1st of month.			Since May 1st.			Average number of rainy days.	Normal number of rainy days.							
	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.									
Obs.	Mean district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.	Average number of rainy days.	Normal number of rainy days.					
46	0.80	0.20	2.12	1.47	4.80	-3.33	3.20	6.62	-3.32	1.3	3.0	Poorce	Poorce	ORISSA.	
44	0.03	—	—	—	—	—	—	—	—	—	—	Gopalpore	Poorce		
49	0.09	—	—	—	—	—	—	—	—	—	—	False Point	—		
29	0.11	0.30	2.80	1.58	5.77	-4.19	3.85	7.89	-4.04	1.0	3.6	Cuttack	Cuttack		
	Nil.	2.34	1.20	5.38	-4.09	6.50	7.98	-1.48	0.0	3.2	3.2	Balasore	Balasore		
	0.08	2.90	0.71	6.81	-6.12	3.08	9.03	-5.41	0.3	3.5	3.5	Saugor Island	South-West Midnapore		
	0.07	2.86	2.13	6.86	-4.73	4.87	8.02	-4.05	0.03	3.4	3.4	Midnapore	South 24-Pergunnah		
1.	0.46	2.74	4.30	7.42	-3.03	7.76	10.06	-2.30	0.7	4.0	4.0	Calcutta	Midnapore		
	Nil.	2.20	3.79	6.47	-2.68	5.40	9.09	-3.69	0.0	3.7	3.7	Burdwan	24-Pergunnah		
	Nil.	3.18	2.08	7.26	-5.18	4.56	9.28	-4.72	0.0	4.0	4.0	Bankura	Rowrah		
	0.45	3.09	2.78	6.90	-4.12	4.52	8.88	-4.36	1.3	4.1	4.1	Ranagunge	Houghly		
	0.74	2.73	3.38	6.77	-3.39	5.38	9.88	-4.50	0.3	3.8	3.8	Berhampore	Burdwan		
	0.05	2.40	2.53	7.63	-5.10	4.46	11.15	-6.67	0.4	4.0	4.0	Krishnagar	West Burdwan		
	0.51	3.38	3.73	9.50	-5.77	4.83	12.78	-7.95	0.4	4.5	4.5	Jessore	Boorshedabad		
	Nil.	0.38	8.57	3.05	12.31	-13.42	27.49	-14.67	1.0	5.0	5.0	Chittagong	Cuddes		
		6.00	15.97	15.97	15.97	15.97	20.06	20.06	6.0	6.0	6.0	Dumturi	West Burdwan		
	Nil.	Nil.	5.27	3.17	14.23	-11.06	-4.62	18.12	-13.50	0.0	5.4	Barrisal	Chittagong		
	Nil.	0.20	7.54	5.08	21.00	-15.92	-10.10	25.81	-15.71	2.0	5.2	Noukholly	Chittagong Hill Tracts		
	0.23	0.05	2.74	2.47	9.33	-6.86	5.36	13.06	-7.30	0.3	4.0	Farrakpore	Backergunge		
	0.45	0.31	3.06	4.05	9.88	-4.93	9.21	13.82	-4.61	1.0	5.0	Dacca	Noakholly		
	0.09	0.14	4.27	5.13	13.15	-8.02	12.36	17.47	-5.11	1.0	5.2	Comilla	Farrakpore		
	1.37	1.51	3.82	6.55	12.08	-5.53	19.04	17.58	1.241	2.0	4.8	Mymensingh	Dacca		
	0.43	0.55	2.75	3.91	9.17	-5.26	13.01	13.01	-0.60	0.8	4.3	Bogra	Comilla		
	0.05	0.11	2.58	3.51	8.01	-5.10	9.98	12.42	-2.44	1.0	4.6	Srangunge	Bogra		
	Nil.	Nil.	2.40	2.15	7.25	-5.10	5.91	10.60	-5.50	0.0	3.6	Rampore	Patna		
	Nil.	Nil.	3.02	0.76	7.75	-6.99	3.21	10.57	-7.35	0.0	4.0	Maldah	Rajshahi		
	2.56	0.71	4.05	2.98	10.16	-2.18	10.59	14.44	-3.85	1.0	4.1	Dinapore	Maldah		
	2.89	4.18	6.27	8.85	15.62	-6.77	18.17	23.02	-4.85	4.8	4.8	Rangpore	Dinapore		
	4.00	6.39	8.12	13.20	22.27	-9.07	22.68	31.53	-8.70	5.6	5.7	Jalpaiguri	Rangpore		
	0.71	3.76	9.86	11.38	20.97	-9.39	16.36	27.97	-11.61	4.8	6.5	Darjeeling	Jalpaiguri		
	0.03	0.51	3.55	3.21	8.03	-4.82	8.88	11.14	-2.26	1.0	3.6	Purnea	Jooh Behar		
	Nil.	3.18	2.78	5.21	-2.40	4.10	6.65	-2.55	0.0	2.3	2.3	Mozufferpore	Darjeeling Hill Tracts		
	0.27	0.40	2.82	4.16	5.20	-1.16	7.00	6.66	4.034	0.7	3.0	Darbhanga	Purnea		
	0.50	0.40	2.33	2.44	5.10	-2.75	4.38	6.54	-1.56	1.0	2.7	Mothur	North Bhagalpore		
	Nil.	0.09	1.67	1.22	2.03	-2.41	2.11	4.73	-2.59	0.3	3.0	Cumra	Mozufferpore		
	Nil.	Nil.	1.25	0.49	2.51	-2.02	1.05	3.45	-2.38	0.0	2.5	Dehra	Darbhanga		
	Nil.	Nil.	1.76	0.03	3.26	-2.74	1.00	4.63	-3.63	0.0	2.3	Gya	Chumpran		
	Nil.	Nil.	2.29	0.82	3.76	-2.74	1.02	5.19	-3.27	0.0	2.6	Bankipore	Dehra		
	Nil.	Nil.	2.35	1.50	4.44	-2.94	3.42	6.05	-2.64	0.0	3.1	Shahpore	Gya		
	Nil.	0.01	2.93	1.65	6.01	-4.56	3.52	8.45	-4.93	0.2	3.8	Manikpur	Bankipore		
	Nil.	0.35	2.69	0.35	5.66	-5.18	0.98	7.23	-6.55	0.0	3.4	Hazaribagh	Patna		
	0.05	Nil.	2.67	0.77	4.87	-4.10	1.78	6.28	-5.10	0.0	4.1	Ranchi	South Bhagalpore		
	0.01	2.30	1.01	5.34	-4.33	2.15	7.00	-4.82	0.5	4.2	4.2	Manbham	Manbham		
	Drops	Nil.	2.82	1.87	5.61	-3.07	3.74	8.21	-4.47	0.0	4.2	Chhota Nagpur	Manbham		
	0.22	—	—	—	—	—	—	—	—	—	—	Sibsagar	Manbham		
	7.94	—	—	—	—	—	—	—	—	—	—	Dhubri	Manbham		
	8.24	—	—	—	—	—	—	—	—	—	—	Silchar	Manbham		

are recorded when the mean for the week is less than the corresponding normal mean, and positive when the mean for the week is greater than the corresponding normal mean. Under the heading District the figures are the number of the rainfall return received in the district.

ions of rainfall the normal mean at rainfall at the sub-divisional

SUPPLEMENT TO THE CALCUTTA GAZETTE, JUNE 27, 1888.

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 22nd of

Meteorological division.	District.	Station.	RAINFALL.							TOTAL		Total rain- fall since 1st of month.	Average total rain- fall from 1st of month.	1887.
			Saturday, 16th June.	Sunday, 17th June.	Monday, 18th June.	Tuesday, 19th June.	Wednesday, 20th June.	Thursday, 21st June.	Friday, 22nd June.	Number of rainy days.	Rainfall week.			
ORISSA	Pooree	Pooree	0.30	.....	.....	0.02	.....	.....	.....	2	0.32	1.11	4.37	5.19
		Khandah	.....	.....	.....	0.18	.....	.....	0.10	2	0.28	2.52	5.82	3.85
		Bahpur	0.18	.....	.....	.....	.....	.....	.....	1	0.18	2.81	5.14	3.11
	Cuttack	False Point	0.00	.....	.....	.....	.....	.....	.....	1	0.00	0.84	3.87	2.08
		Gop.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	?	?
		Pipli	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	?	?
	Balasore	Jagatsingapore	.....	.....	0.32	.....	.....	.....	.....	1	0.32	3.76	3.78	.....
		Banki	.....	.....	.....	.....	.....	.....	.....	1	0.16	.....	6.08	.....
		Cuttack	0.16	.....	.....	.....	.....	.....	.....	1	0.16	.....	7.41	.....
		Kendrapara	.....	.....	.....	0.06	.....	.....	.....	1	0.06	1.83	5.36	.....
		Jajpore	.....	.....	.....	0.44	0.44	.....	.....	2	0.88	1.44	5.73	.....
SOUTH-WEST BENGAL.	Midnapore	Dharmasalla	.....	.....	.....	0.10	.....	.....	1.00	2	1.10	4.88	?	.....
		Salipore	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	?	.....
		Chandbali	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.20	4.86	.....
		Bhuddruck	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.26	5.41	.....
		Korah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.40	4.52	.....
	24-Pergunnahs	Balasore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.11	5.20	.....
		Jellapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.30	5.48	.....
		Baripodah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.68	6.76	.....
		Contai	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.23	6.40	.....
		Sankor Island	0.24	.....	.....	.....	.....	.....	.....	1	0.24	0.09	6.87	.....
SOUTH-WEST BENGAL.	Howrah	Tumlook	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.40	6.58	.....
		Midnapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.19	5.96	.....
		Ghattal	.....	.....	.....	0.20	.....	.....	.....	1	0.20	2.81	8.03	.....
		Kukrahaty	0.14	.....	.....	.....	.....	.....	.....	1	0.14	2.07	?	.....
		Haria	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.12	?	.....
	Hooghly	Bhagwanpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.24	?	.....
		Garbeta	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.72	?	.....
		Diamond Har- bour	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.02	7.14	.....
		Canning Town	.....	.....	.....	0.02	.....	.....	.....	1	0.02	3.19	?	.....
		Alipore Jail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.21	7.70	.....
SOUTH-WEST BENGAL.	Burdwan	Barnackpore	.....	.....	.....	1.30	.....	.....	.....	1	1.30	4.52	7.80	.....
		Dum-Dum	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.03	7.70	.....
		Barasat	.....	.....	.....	1.24	.....	.....	.....	1	1.24	6.08	7.30	.....
		Huseerhat	.....	.....	.....	0.10	.....	.....	.....	1	0.10	7.58	8.06	.....
		Howrah	.....	.....	.....	0.25	.....	.....	.....	1	0.25	1.83	7.72	6.1
	Bankura	Moheswara	.....	.....	.....	0.81	.....	.....	.....	1	0.81	1.78	6.89	5
		(Ooloberia.)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
		Hooghly	.....	.....	.....	0.83	.....	.....	.....	1	0.83	4.07	7.45	7.72
		Jehanabad	.....	.....	.....	0.10	.....	.....	.....	1	0.10	9.07	0.70	11.80
		.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5.05	6.09	7.71
SOUTH-WEST BENGAL.	Bankura	Culina	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.45	6.38	4.58
		Burdwan	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.51	5.24	4.55
		Cuttack	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.25	7.71	7.95
		Raneegunge	.....	.....	0.06	.....	.....	.....	.....	1	0.06	3.45	5.36	4.43
		Mankur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.75	?	2.20
	Bankura	Bankura	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.82	0.42	5.28
		Bishenpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.82	7.78	2.58
		Malnara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.43	6.82	4.68
		Khatra	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.25	6.04	5.70
		Indus	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.38	?	6.10
SOUTH-WEST BENGAL.	Bankura	Kotalpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.06	?	4.09
		Anda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.07	?	1.22
		Gangajalhati	.....	.....	.....	0.21	.....	.....	.....	1	0.21	2.63	?	9.65
		Kaipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.30	?	4.10
		Sonamukhi	.....	.....	0.13	.....	.....	.....	.....	1	0.13	2.07	?	5.09
	Beerbhoom	Bh. Soory	.....	.....	0.63	.....	.....	.....	0.21	2	0.84	2.81	6.87	4.42
		Hetanpore	.....	.....	.....	.....	.....	.....	0.65	1	0.65	2.70	7.96	4.88
		Kampore Haut	0.08	.....	0.16	.....	.....	.....	.....	2	0.24	3.01	7.39	5.67
		Botpore	.....	.....	0.16	.....	.....	.....	.....	1	0.16	3.02	?	4.50
	
Nuddea	Ranaghat	.....	.....	0.61	.....	.....	.....	.....	1	0.61	3.07	7.61	5.04	
	Keshnagar	.....	.....	.....	0.07	.....	.....	.....	1	0.07	3.63	6.53	4.52	
	Chooananga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.75	7.66	4.12	
	Meherpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.86	7.88	6.83	
	Koochtea	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.42	8.57	2.03	
Khoolna	Satkira	.....	.....	.....	0.30	.....	.....	.....	1	0.30	3.91	8.28	4.21	
	Bagirhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.89	10.48	4.50	
	Khoolna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.77	9.08	3.86	
	
	
Jessore	Narail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.11	8.95	2.35	
	Jessore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4.52	10.38	9.58	
	Jhemdah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4.16	10.36	5.41	
	Magoorah	.....	.....	.....	0.32	.....	.....	.....	1	0.32	6.16	9.04	5.11	
	Bongong	.....	.....	.....	0.47	.....	.....	.....	1	0.47	3.67	7.98	4.08	
Moorsadabad	Bongong	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	?	.....
	Kandi	.....	.....	.....	.....	.....	.....	0.52	1	0.52	5.78	6.99	7.55	
	Berhampore	.....	0.57	.....	.....	.....	.....	.....	1	0.57	2.48	6.97	4.75	
	Lalbagh	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.84	6.50	4.50	
	Azimungo	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.63	6.72	5.65	
	Jungipore	.....	.....	0.01	.....	.....	.....	.....	1	0.01	2.65	6.23	5.42	
	Lalgola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.68	7.18	5.30	
	Akharpur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.64	?	7.60	
	Patkabari	.....	.....	.....	.....	.....	.....	0.20	1	0.20	3.49	?	5.14	
EAST BENGAL	Chittagong	Cox Bazar	.....	0.11	0.65	.....	.....	.....	.....	2	0.76	5.35	23.35	14.80
		Chittagong	.....	.....	.....	.....	.....	.....	.....	.....	.....	29.16	?	10.7
		Andubda	.....	.....	.....	.....	.....	.....	.....	.....	.....	?	?	.....
	Chittagong Hill Tracts.	Satkanga	.....	.....	0.20	0.46	.....	.....	.....	2	0.66	2.23	?	9.58
	
Chittagong	Rangamati	0.22	.....	.....	0.78	0.06	.....	.....	3	1.06	5.18	19.01	10.80	
	Ruma	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.91	?	.....
	Patuakhali	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.53	17.00	5.44	
	Perazapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4.00	11.40	6.90	
Backergunge	Burrial	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.12	12.19	4.42	
	Bhola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.44	16.58	5.28	

in Bengal for the week ending Friday (6 p.m.) the 22nd of June 1888—contd.

Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average tot. rain-fall from 1st of month.	Total rain-fall since 15th May.	Average rainfall from 15th May to date.
	Saturday, 16th June.	Sunday, 17th June.	Monday, 18th June.	Tuesday, 19th June.	Wednesday, 20th June.	Thursday, 21st June.	Friday, 22nd June.	Number of rainy days.	Rainfall week.				
Townsendi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4.87	?	7.24	?
Bamphal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.10	?	4.24	?
Naakholly	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	4.28	18.98	10.38	28.66
Varishpore	0.05	0.10	.....	0.10	.....	.....	0.15	4	0.40	5.89	23.13	10.03	27.93
Edwaganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.20	?	11.10	?
Madaripore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.74	?	0.97	?
Purandipore	.....	.....	.....	0.15	.....	.....	.....	1	0.15	2.63	0.55	5.42	13.81
Goalundo	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.36	8.91	5.98	12.63
Munshigunge	.....	.....	0.50	.....	.....	.....	.....	1	0.50	5.83	12.13	8.37	16.64
Isacca	.....	.....	0.56	.....	.....	.....	.....	1	0.56	4.25	10.00	8.66	14.22
Nairwinkunge	.....	.....	0.14	.....	.....	.....	.....	1	0.14	0.93	0.74	10.25	12.71
Manickganj	.....	.....	.....	.....	.....	0.04	.....	1	0.04	5.77	7.05	7.77	11.07
Joydebpore	.....	.....	0.06	.....	.....	.....	.....	1	0.06	0.32	?	15.90	?
Agartola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.23	11.55	16.57	15.91
Gomilla	.....	.....	0.05	.....	.....	.....	.....	1	0.05	2.61	14.40	8.84	10.38
Chandipore	.....	.....	.....	.....	.....	0.10	.....	1	0.10	6.10	13.89	7.53	17.44
Brabmuhara	.....	.....	0.39	.....	.....	.....	.....	1	0.39	7.14	12.37	18.02	17.23
Ramahandrapore	.....	.....	0.09	.....	.....	.....	.....	1	0.09	5.11	?	11.59	?
Nasirnapur	.....	0.70	.....	.....	.....	.....	.....	1	0.70	4.85	?	17.80	?
Daukandi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5.08	?	7.70	?
Kasba	.....	.....	0.32	.....	.....	.....	.....	1	0.32	7.03	?	14.80	?
Laksham	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.17	?	0.08	?
Kishoreganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.63	15.06	30.44	20.55
Atia (Tangail)	.....	.....	1.25	.....	.....	.....	.....	1	1.25	4.47	9.81	8.53	13.30
Mymensingh	0.02	0.56	0.26	.....	.....	0.08	.....	4	0.92	5.14	14.81	23.13	20.74
Jamshilpore	.....	.....	0.71	.....	.....	.....	.....	1	0.71	6.09	11.23	19.81	15.45
Natrokna	0.25	4.20	0.93	0.21	.....	.....	0.29	4	4.86	7.21	13.30	23.23	17.40
Subornakhally	.....	0.40	.....	.....	.....	.....	.....	2	1.33	7.50	?	18.91	?
Durgapore	1.70	.....	.....	0.70	1.50	.....	.....	3	3.90	0.20	?	22.27	?
Dewanganj	.....	0.25	0.44	.....	.....	.....	.....	2	0.69	4.30	?	15.09	?
Pubna	.....	.....	.....	0.10	.....	.....	.....	1	0.10	2.85	8.02	5.38	12.24
Beraiganj	.....	.....	0.06	.....	.....	.....	.....	1	0.06	4.16	8.58	14.60	12.52
Bogra	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.84	8.73	3.91	13.25
Nowkhilla	.....	.....	0.90	.....	.....	.....	.....	1	0.90	7.74	0.81	17.43	13.01
Iskra	.....	.....	0.35	.....	.....	.....	.....	1	0.35	3.66	10.18	13.00	15.04
Panchibibi	.....	.....	0.85	.....	.....	.....	.....	1	0.85	2.34	7.90	12.35	13.51
Rajshahye	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.30	7.07	3.91	10.16
Beaulab	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.91	7.42	6.11	10.99
Natore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.65	?	4.83	?
Naogaon	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.53	?	4.99	?
Lalpor	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.01	?	6.35	?
Manda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.01	?	6.35	?
Maldah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.51	7.72	1.77	10.28
Chanchal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.09	7.78	4.05	10.92
Gajol	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.20	?	6.39	?
Sidganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.14	?	5.54	?
Dinaganj	.....	.....	.....	.....	.....	0.04	.....	1	0.04	0.60	10.20	4.00	14.39
Mohadebpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.05	0.16	0.14	12.46
Churamon	.....	.....	.....	.....	.....	.....	.....	1	0.06	5.90	11.32	11.60	15.04
Raiganj	.....	.....	.....	.....	.....	2.05	.....	2	2.05	8.04	12.04	19.74	17.04
Dinaganj	.....	.....	0.20	.....	.....	.....	.....	1	0.59	2.22	8.07	11.42	14.20
Halcorghat	.....	.....	.....	.....	.....	0.59	.....	1	0.59	2.22	8.07	11.42	14.20
Rungpore	.....	.....	.....	.....	.....	0.60	.....	3	1.44	4.81	12.43	15.63	17.91
Bhawaniganj	0.10	.....	0.74	.....	.....	.....	.....	3	1.44	4.81	12.43	15.63	17.91
Gyabanda	.....	.....	.....	.....	.....	.....	.....	3	1.44	4.81	12.43	15.63	17.91
Rungpore	0.45	.....	0.51	.....	0.74	0.62	0.90	5	3.39	7.02	14.44	17.27	24.39
Kurigram	2.54	0.37	0.17	1.04	1.77	1.55	3.61	7	11.05	10.14	17.73	24.10	28.15
Baradoga	0.08	.....	0.19	.....	0.20	.....	1.03	4	2.12	7.10	17.80	16.21	20.06
(Niphawari)	.....	.....	.....	.....	.....	.....	.....	4	2.12	7.10	17.80	16.21	20.06
Utopore	1.80	.....	.....	0.60	1.92	1.21	0.08	5	6.54	7.79	?	15.20	?
Jaliganj	1.97	0.16	.....	.....	0.34	1.16	0.14	5	3.77	10.43	20.83	10.63	28.46
Alipore	0.55	1.04	.....	.....	0.75	.....	.....	3	0.76	12.34	?	15.74	?
Falagatta	.....	0.03	.....	.....	0.32	0.38	.....	3	0.76	12.34	?	15.74	?
Debiaganj	1.25	.....	0.21	.....	0.79	0.84	1.19	5	4.27	12.53	?	10.44	?
Dinaganj	0.28	.....	0.06	1.13	1.52	2.04	2.52	6	8.14	18.00	22.03	24.48	32.35
Cooch Behar	1.70	2.24	.....	0.60	2.05	2.06	3.08	6	11.73	18.29	24.91	27.44	34.91
Cooch Behar	0.65	0.22	.....	.....	1.23	0.52	0.12	5	2.74	16.30	18.80	26.39	27.97
Mickligunge	0.07	1.91	.....	0.43	1.73	1.21	0.53	6	5.88	13.03	22.83	16.76	32.35
Masbhang	.....	.....	.....	.....	.....	.....	.....	6	5.88	13.03	22.83	16.76	32.35
Darjeeling	.....	.....	.....	.....	.....	.....	.....	7	7.02	27.45	30.49	55.98	44.47
Buza	1.05	0.45	2.60	2.38	0.57	0.68	0.27	7	7.02	27.45	30.49	55.98	44.47
Siliguri	0.31	0.83	0.63	0.18	0.17	0.35	0.10	7	2.65	0.51	22.07	14.22	25.05
Darjeeling	0.67	.....	0.07	.....	.....	.....	.....	2	0.74	4.31	10.81	7.94	21.31
Kalimpong	3.48	.....	.....	0.31	.....	0.04	.....	3	3.83	5.02	14.45	7.10	17.46
Purneah	.....	.....	.....	.....	.....	.....	.....	2	1.60	3.73	11.00	11.74	15.19
Kiamungung	0.30	.....	.....	.....	.....	.....	1.30	2	1.60	3.73	11.00	11.74	15.19
Arramoh	.....	.....	.....	.....	.....	.....	0.75	1	0.75	6.98	8.15	10.35	11.07
Purneah	.....	.....	.....	.....	.....	.....	0.03	1	0.03	1.19	8.15	5.41	11.16
Gondwara	.....	.....	.....	.....	.....	.....	.....	1	0.03	1.19	8.15	5.41	11.16
Balarampore	.....	.....	.....	.....	.....	.....	.....	1	0.03	1.19	8.15	5.41	11.16
Hattari	.....	.....	0.50	.....	.....	.....	3.00	3	3.30	5.23	?	10.17	?
Kataganj	.....	.....	.....	.....	.....	1.10	0.08	2	1.18	7.77	?	10.71	?
Madhapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.50	6.64	10.00	8.43
Sopool	.....	.....	.....	.....	.....	.....	0.17	1	0.17	1.18	6.74	6.20	9.08
Protaganj	.....	.....	.....	.....	.....	1.20	.....	1	1.20	2.43	?	3.88	?
Durbhanga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.93	4.71	4.83	5.85
Durbhanga	.....	.....	.....	.....	.....	.....	0.27	1	0.27	5.61	5.23	9.03	6.70
Madhubani	.....	.....	.....	.....	.....	.....	0.04	1	0.04	2.91	5.66	7.17	7.49
Bahera	.....	.....	.....	.....	.....	.....	0.03	1	0.03	2.08	?	6.73	?
Bohara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	?	?	?	?
Moudulpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.96	5.94	5.88	7
Manmari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.45	5.19	5.30	?
Moudulpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.94	5.61	5.22	?
Manmari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.20	?	1.80	?
Manmari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.40	?	1.10	?
Manmari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.42	?	4.74	?
Manmari	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.03	?	5.15	?
Manmari	.....	.....	.....	.....	.....	.....	.....	0.54	1	0.54	2.72	4.96	5.44
Manmari	.....	.....	.....	.....	.....	.....	.....	0.25	1	0.25	2.17	5.41	4.40
Manmari	.....	.....	.....	.....	.....	.....	.....	0.25	1	0.25	2.17	5.41	4.40
Manmari	.....	.....	.....	.....	.....	.....	.....	0.35	1	0.35	2.17	5.41	4.40

Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 22nd

Meteorological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rain fall since 1st of month.	1887.
			Saturday, 16th June.	Sunday, 17th June.	Monday, 18th June.	Tuesday, 19th June.	Wednesday, 20th June.	Thursday, 21st June.	Friday, 22nd June.	Number of rainy days.	of Rainfall week.		
NORTH BENGAL concluded.	SARAI	Gopalgunge ..	.....	.....	.....	.....	.....	.....	0.26	1	0.26	1.74	
		Swan ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.81	
SOUTH BENGAL	Shahabad	Ch. prah ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.12	
		Buxar ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.76	
		Dehree ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.22	
		Khuboosh ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.22	
		Sasaram ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.52	
		Arran ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.77	
		Mohania ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.10	
	Gya	Aurungabad ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.43	
		Gya ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.04	
		Nowadah ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.12	
		Jehanabad ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.91	
		Arwal ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.15	
		Daudnagar ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.20	
		Sherrghati ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	
		Kagauli ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	
		Pakri Karamah ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.30	
	Patna	Patna ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.02	4.11
		Dinapore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.00	3.00
		Behar ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.11	4.00
		Bara ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.10	2.22
		Bickram ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.10	
		Hilsa ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.95	
	Monghyr	Begowserai ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.83	4.38
		Monghyr ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.24	4.20
		Jamui ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.07	3.71
		Gogri ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.02	
		Sheikhpura ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.50	
	South Bhagulpore	Bumkulpore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.92	5.21
		Hansa ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.01	4.73
		Kolpang ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.20	7.08
	Sonthal Pergunnahs	Rajmahal ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.30	5.54
		Godda ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.33	4.46
		Pakour ..	.....	.....	0.07	.....	.....	.....	.....	1	0.07	3.20	7.02
		Nya Doumka ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.92	4.28
		Jamkhat ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.62	5.33
		Jamkhat ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.47	5.76
		Mahayama ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.08	
		Nanhai ..	.....	.....	.....	.....	.....	.....	2.95	1	2.95	4.10	4.65
SOUTH NAGPUR.	Hamaribagh	Paonanda ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	5.83	
		(Girdi) ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.64	4.00
		Hazaribagh ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.30	5.50
		Somnagar ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.84	5.03
		Manudi Hills ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.30	5.71
		Jhoomrah Hills ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.05	
		Harna ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	
		Chitra ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.00	
		Karadaha ..	.....	.....	.....	.....	.....	.....	0.30	1	0.30	Nil	
		Kumhar ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	
	Lohardugga	Lohardugga ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.82	5.53
		Kanuni ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.20	5.81
		Paimow ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.23	3.46
		Silli ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	
		Balumat ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	
		Hussainabad ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	
		Garwah ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.40	
	Singbhoom	Chyowana ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.67	5.67
		Chakradhar ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.53	
		Chaitilla ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.44	
		Hakarapara ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.87	
	Manbhoom	Parulia ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.98	5.59
		Goudpore ..	.....	.....	.....	.....	.....	.....	0.02	1	0.02	0.04	5.07
		Kaghnath ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.55	
		Barabhoom ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.21	
		Jhaida ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	
		Ghas ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.95	

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If a day is wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 26th June 1888.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS
TAKEN IN BENGAL, AND OF THE METEOROLOGICAL OBSERVATIONS
TAKEN IN ASSAM, FOR THE WEEK ENDING FRIDAY, THE 22ND OF
JUNE 1888.**

THE general meteorological conditions which had obtained over the province during the previous week have continued throughout the present week. Temperature has been excessive, pressure has been unusually low, humidity has been generally high, while except in North Bengal and Assam heavy rainfall has been almost absent, though a few light showers have been reported in all divisions except South Behar and Chutia Nagpur. The changes of meteorological conditions from day to day have been small, and have in no way altered the general character of the weather; and up to the close of the week the monsoon current from the Bay of Bengal had not found its way over Bengal, but it was still being deflected in an easterly direction and was giving heavy rain to Assam and Burma. The wind systems blowing in Bengal were practically unaltered throughout the week. Strong southerly winds were blowing at the southern stations, south-easterly winds in East Bengal, easterly and north easterly winds in Assam, North Bengal, and North Behar; while westerly and even north-westerly winds have been blowing in West Behar and Chutia Nagpur; and finally, south-westerly winds have been blowing in Orissa and at the neighbouring stations of South-West Bengal. This distribution has been practically the same as that which obtains during a great part of the hot season. At the head of the Bay winds have been strong, but elsewhere they have only been of moderate velocity.

A remarkable feature during the past one or two months has been the persistence of easterly winds at Akyab, wind frequently varying from east-south-east to north-east, and this would almost appear to show indelught towards the sea area off the Arakan and Pegu coasts. It may also possibly indicate the existence of a persistent feeble area of low pressure over this part of the Bay, which may be causing the monsoon to be deflected towards the Burma coast and the eastern districts generally, and which may also be possibly causing heavy rainfall in the Bay. The persistence with which heavy rain has been received in Burma during the week, while almost the whole of Bengal has been practically rainless, is shown in the following small table:—

Burma Rainfall from 16th to 22nd June 1888.

STATIONS.	16th June.	17th June.	18th June.	19th June.	20th June.	21st June.	22nd June.	Total for week.
Akyab	0.47	1.52	1.50	2.64	0.62	2.19	0.41	9.35
Diamond Island	0.48	1.65	5.49	1.09	0.39	2.32	Nil	11.34
Bassein	Nil	5.16	1.34	0.35	2.17	1.41	0.39	11.42
Rangoon	0.05	1.00	0.03	Nil	1.42	2.01	1.01	5.52
Moulmein	1.23	0.94	1.19	0.43	0.44	2.05	1.70	7.98
Tavoy	0.12	1.41	3.37	2.71	.	.	.	8.61

* Telegrams not received.

Thus moderate to heavy rain has been received at almost every station in Burma from which reports are received on every day of the week, and at some stations between eleven and twelve inches has been received in this period.

Pressure.—The general variations of pressure throughout the week have been of the ordinary oscillatory nature, and for the whole week pressure has been below the normal. Taking into consideration only those stations from which reports have been received for a number of years, and which therefore yield reliable averages, pressure in Bengal has been below the normal by 0.06 inch. In Assam the defect has been almost similar, and it equals 0.061 inch. The general defect has been also fairly equally distributed, though the defect has been absolutely largest in South-West Bengal and smallest in Chutia Nagpur.

Temperature.—The most prominent feature of the whole week has undoubtedly been the excessive and anomalous record of temperature. In Chutia Nagpur the average temperature for the week has been no less than 13.2° in excess of the normal temperature as derived from the records of former years, while in South Behar the excess has equalled 1.0°. In South-West Bengal this excess has been 7.7°, and in Orissa 6.2°. North Behar shows an excess of 4.9°, while in North and East Bengal the excess has been from 2.5° to 3.7°. In Assam, on the other hand, temperature has been practically normal; that is to say, the excess temperatures have been confined mainly to the western and south-western districts. Extremely high maximum temperatures have also been generally recorded throughout the week at the western stations, and on most days several stations have recorded temperatures of 105° and upwards. The highest temperature actually recorded during the week was 113.6° at Gya. It must also be remembered that these excessive temperatures have been accompanied by decidedly high humidities at all stations except those in the extreme west of the province.

Rainfall.—The only rainfall of importance during the week in the province has been recorded in North Bengal, and this division has received an average of 2.33 inches. Though this fall is important, it is really only half as large as the normal fall for the period. The next largest fall is of half an inch in East Bengal, or about a tenth of the usual fall. Orissa, South-West Bengal and North Behar have received falls which vary from a little more than one-tenth up to about three-tenths of an inch, and the falls are generally about a tenth of the normal fall. In South Behar and Chutia Nagpur absolutely no rain has fallen during the week. In Assam the following amounts have been received:—Silchar 8.24 inches, Dhubri 7.96 inches, and Sibsagar 2.22 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the Province for the week ending Friday, the 22nd of June 1888:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rain & days.			Since 1st of month.		Since 1st May.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation	Average.	Normal average.	Average.	Normal average.
Orissa	111.4	79.5	97.5	83.1	90.3	+6.2	0.15	2.48	-2.33	0.7	3.3	-2.3	1.35	5.37	3.67	7.36
South-West Bengal ...	112.6	77.6	103.1	82.0	83.0	+7.7	0.22	2.86	-2.64	0.5	4.0	-3.5	3.16	7.52	5.35	10.25
East Bengal	95.0	72.6	91.3	80.4	85.8	+3.8	0.50	4.69	-4.19	1.0	5.1	-4.1	4.54	13.86	10.95	18.18
North Bengal	103.7	71.1	93.7	77.8	85.8	+2.5	2.33	4.75	-2.42	2.5	4.5	-2.0	6.60	12.85	13.54	18.45
North Behar	105.8	69.3	90.4	80.7	90.1	+4.9	0.30	2.84	-2.54	0.6	3.1	-2.5	2.83	5.80	5.86	7.68
South Behar	113.6	74.3	107.6	84.3	96.0	+10.2	Nil.	2.16	-2.16	0.0	3.9	-2.9	1.06	4.13	2.39	5.73
Chittagong Nagpur	108.0*	78.9*	104.6*	83.7*	94.2*	+13.2*	Nil.	2.63	-2.62	0.0	3.8	-3.8	0.71	5.33	1.69	7.17
Assam	92.6	71.3	89.5	75.7	82.6	+0.2										

* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;

A. PEDLER,

The 26th June 1888.

Offg. Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 17th to 23rd June 1888.

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1888.		"	"	"	"	"	Inches.	"	%	Inches.
June	17th	90.1	103.0	22.2	80.8	81.7	.970	78.3	68	—
"	18th	92.3	104.0	20.3	83.7	83.2	1.014	79.7	67	—
"	19th	88.9	101.5	21.4	80.1	81.5	.977	78.5	71	—
"	20th	89.5	103.0	22.6	80.4	80.6	.924	76.8	66	—
"	21st	90.0	100.5	17.2	83.3	82.4	1.006	79.4	71	—
"	22nd	89.3	98.0	14.2	83.3	83.2	1.055	80.9	77	—
"	23rd	84.9	95.3	19.5	75.8	81.6	1.036	80.3	86	1.03

The mean temperature of the seven days 89.8

The extreme variation of temperature 28.2

The maximum temperature 104.0

The mean relative humidity 72

Inches.

The total fall of rain from 17th to 23rd June 1888 1.03

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

A. PEDLER,

The 25th June 1888.

For Offg. Meteorological Reporter to the Govt. of India.

Results of the Meteorological Observations taken at the Alipore Observatory from
17th to 23rd June 1888.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 32° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Miles recorded.	Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.				
1888.				Inches.	°	°	°	°	°	Inches	°	%				Inches.	
June	17th	153.5	9.9	29.461	90.9	101.5	21.3	80.2	81.7	0.962	78.1	68	SSW	...	180	Nil	Partially cloud.
"	18th	164.9	6.5	.461	91.6	102.5	19.1	83.4	82.3	.979	73.6	68	SSW and variable	...	151	"	Chiefly cloudy o, g, t. < >
"	19th	154.4	4.2	.446	90.9	99.7	21.0	78.7	84.1	1.082	81.6	75	S by W and SSE	...	148	"	Chiefly cloudy. o.
"	20th	153.3	6.1	.448	91.3	101.5	19.2	82.3	84.0	1.068	81.3	74	S and SSE	...	185	"	Partially cloudy.
"	21st	154.1	6.0	.495	90.7	99.4	16.8	82.6	83.7	1.065	81.2	75	SSE and S	...	213	"	Partially cloudy. o.
"	22nd	145.0	Nil.	.537	90.0	96.7	13.4	83.3	83.3	1.049	80.7	75	S, SSW and SSE	...	232	"	Cloudy, o.
"	23rd	147.3	"	.557	87.2	94.5	19.3	75.2	82.1	1.030	80.1	80	SSW and variable	...	66	0.58	Cloudy, o, g, p, t, <.

The mean pressure of the seven days ... 29.486
The average pressure of the corresponding period for 24 years, S. G.'s Office ... 29.524

The total number of hours of bright sunshine ... 32.7
The maximum possible number of hours of sunshine ... 94.4

The mean temperature of the seven days ... 90.4
The average temperature of the corresponding period for 24 years, S. G.'s Office ... 84.2
The extreme variation of temperature ... 27.3
The maximum temperature ... 102.5

The highest velocity of the wind in one hour ... 17
The highest pressure of wind on one square foot ... 7

The mean relative humidity ... 74
The average relative humidity of the corresponding period for 24 years, S. G.'s Office ... 84

The total fall of rain from 17th to 23rd June 1888 ... 0.58
The average fall of the corresponding period for 24 years, S. G.'s Office ... 3.39
The total fall from 1st January to 23rd June 1888 ... 15.31
The average fall of the corresponding period for 24 years, S. G.'s Office ... 18.71

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph. The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, t thunder, p passing temporary showers, < lighting, > dust-storm.

A. PEDLER,

For Off. Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;
Calcutta, the 25th June 1888.

MEMORANDUM.

The table appended to this memorandum shows—

1. That during the month of April 1888 the deaths of 131,952 persons were recorded in the districts in Bengal among a population of 66,163,884, yielding a death-rate of 23.38 per 1,000 per annum against 21 per 1,000 in the preceding month and 22.89 per 1,000 in the corresponding month of the past year, indicating, as compared with both the periods, a fair advance in the number of deaths recorded.

2. That the highest casualty-rates were returned from the undermentioned districts:—

Districts.	Ratio per mille.	Districts.	Ratio per mille.
Darjiling	44.88	Manbhum	29.88
Julpaiguri	41.28	Bogra	29.40
Khulna	38.52	Maldah	29.04
Rajshahye	35.64	Murshidabad	28.80
Dinajpur	34.92	Chittagong	28.68
Backerganj	33.00	Nuddea	28.08
Jessore	32.88	Mymensing	28.08
Rangpore	32.88	Monghyr	26.16
Birbhum	32.52	Serampore	26.04
Pubna	31.20	Howrah	25.68
Hazaribagh	30.60	Hughli	25.56
24-Pergunnahs	30.48	Midnapore	25.20

3. That in comparison with the casualties of the corresponding month of the past the mortality from fever had increased to a noticeable extent, the death-rate from injury was stationary, and there were no noticeable differences in fatal results from the other diseases—*vide* figures given below:—

	Ratio per mille during—	
	April 1888.	April 1887.
Cholera	3.12	3.72
Small-pox	.12	.10
Fever	16.08	15.00
Bowel-complaints	.84	.72
Injury	.24	.24
Other causes	3.24	2.76

4. That while the following districts returned conspicuously high mortality from cholera, fever and the maladies coming under the head of "Other causes," the rest did not display any noticeable severity from the other diseases specified above, excepting Chumparun, where 2.04 per 1,000 of the population died from small-pox:—

Cholera.	Ratio per mille.	Fever.	Ratio per mille.	Other causes.	Ratio per mille.
Khulna	17.04	Julpaiguri	37.44	Puri	10.68
Backerganj	11.16	Dinajpur	32.76	Tipperah	10.44
Jessore	10.44	Darjiling	28.20		
Chittagong	9.36	Rajshahye	27.12		
Faridpore	9.12	Pubna	27.12		
24-Pergunnahs	8.16	Bogra	25.68		
Manbhum	8.04	Murshidabad	25.08		
Rajshahye	6.84	Maldah	24.84		
Rangpore	6.60	Hazaribagh	24.24		
Serampore	6.12	Rangpore	24.12		
Howrah	4.92	Birbhum	23.52		
Puri	3.84	Monghyr	21.00		
Balasore	3.72	Nuddea	20.76		
Bankura	3.48	Purneah	20.40		
Darjiling	3.36	Jessore	20.28		
Nuddea	3.24	Noakhali	20.28		
Mymensing	3.24				
Hughli	3.12				
Tipperah	3.00				
Maldah	3.00				
Noakhali	2.88				
Burdwan	2.64				
Pubna	2.28				
Midnapore	2.04				

5. That under the heads of *Sex*, *Class* and *Age*, the mortality stood as follows:—

According to Sex.	Ratio per mille.	According to Class.	Ratio per mille.	According to Age.	Ratio per mille.
Males	26.76	Christians	15.96	Under 1 year	171.84
Females	21.00	Hindus	22.32	1 and under 5 years	29.04
Ratio of male deaths to every 100 female deaths	125	Mahomedans	27.00	5 " " 10 "	12.96
		Budhists	17.04	10 " " 15 "	10.92
		Other classes	24.24	15 " " 20 "	15.36
				20 " " 30 "	16.08
				30 " " 40 "	18.24
				40 " " 50 "	22.20
				50 " " 60 "	30.12
				60 years and upwards	49.20

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

The 23rd June 1888.

MORTALITY ACCORDING TO--

TOTAL FOR THE PROVINCE.

[illegible]

M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

OFFICE OF SANITARY COMMISSIONER FOR BENGAL.

The 23rd June 1898.

MEMORANDUM.

FROM the annexed table, exhibiting the vital statistics of the principal Municipalities in Bengal for the week ending 9th June 1888, it appears—

1. That the birth-rate in these Municipalities amounted to 18·6 per 1,000 of population, as opposed to 15·8 per 1,000 during the preceding week ending 2nd June, and the death-rate to 20· against very nearly the same proportion, viz., 19·6 per 1,000, indicating a considerable improvement in the registration of the former events.

2. That the following Municipalities returned the highest proportions of births and deaths—

Births.				Deaths.			
			Ratio per mille.				Ratio per mille.
Burdwan	...	...	79·3	Serampore	...	...	43·2
Darjiling	...	...	45·6	Gya	...	...	32·8
Monghyr	...	...	33·4	Beaulcah	...	...	31·5
Bhagulpore	...	...	30·8				
Narainganj	...	...	29·0				

3. That the mortality from the specific death-causes stood as follows, in comparison with the similar information for the preceding week :—

						Ratio per mille during the weeks ending—	
						9th June 1888.	2nd June 1888.
Cholera	...	...	...	...	...	1·8	3·0
Small-pox	...	...	...	...	...	·1	·1
Fever	...	...	...	...	...	8·4	7·9
Bowel-complaints	...	...	...	...	...	2·4	2·9
Injury	...	...	...	...	...	·6	·4
Other causes	...	...	...	...	...	6·7	5·3

The only noticeable point apparent from the above figures is that there was a decrease of fatal results from cholera, with an increase in that from the maladies coming under the head of "Other causes."

4. That the death-rates from cholera and "Other causes" were greatest in the under-mentioned Municipalities, the rest of the diseases exhibiting no special local severity :—

Cholera.				Other causes.			
			Ratio per mille.				Ratio per mille.
Chittagong	...	...	11·7	Serampore	...	...	21·6
Patna	...	...	4·6	Mozufferpore	...	...	18·2
Howrah	...	...	2·8	Beaulcah	...	...	13·1
Gya	...	...	2·7	Dacca	...	...	13·0
Suburbs of Calcutta	...	...	2·3				

5. That the mortality according to Sex, Class and Age stood as shown below :—

According to Sex.			According to Class.			According to Age.		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Males	...	19·5	Christians	...	13·0	Under 1 year	...	197·2
Females	...	20·5	Hindus	...	20·1	1 and under 5 years	...	29·4
Ratio of male deaths to every 100 female deaths	108		Mahomedans	...	19·9	5 " 10 "	...	7·5
			Other classes	...	36·4	10 " 15 "	...	9·0
						15 " 20 "	...	11·5
						20 " 30 "	...	13·0
						30 " 40 "	...	15·0
						40 " 50 "	...	12·0
						50 " 60 "	...	20·2
						60 years and upwards	...	40·1

R. LIDDERDALE, M.D., Deputy Surgeon-General,
Sanitary Commissioner for Bengal.

The 23rd June 1888.

Scipality was recently taken, as the census of this section of the community, taken in February 1981, was not reliable owing to the Europeans being at a minimum in that month. The number of natives in the ratios have consequently been calculated on the revised population under all heads in 1980 above table except "40c," the ratios under which have been omitted, inasmuch as the census of 1981, owing to the results of the census under that head not being recorded under the authorized form of acceptance.

CIRCULAR AND EASTERN CANALS

*Approximate return of traffic for the week ending Saturday, the 23rd June 1888,
as compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 23RD JUNE 1888.			WEEK ENDING SATURDAY, THE 25TH JUNE 1887.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	285	71,370	1,181	355	55,860	957
Jute ...	8	4,350	61	13	5,900	100
Firewood ...	77	45,975	642	92	45,900	659
Other articles ...	665	1,88,860	2,805	824	2,33,140	3,378
Total ...	1,035	3,10,555	4,689	1,284	3,40,800	5,083

Weekly Return of Traffic Receipts on Indian Railways.

EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 16th June 1888, on 1,513½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	226,116	2,41,136 13 0	26,87,827 10	5,77,156 11 0	18,089 12 0	8,36,383 4 0	64,544½	100,080½	165,530½
Or per mile of railway ...	139 4 9			381 4 5	11 15 3	552 8 5			
For previous 23 weeks of half-year ...	6,182,518	68,47,539 1 0	6,63,05,210 0	1,53,04,212 10 1	4,98,897 8 11	2,26,59,679 4 0	1,514,478½	2,410,500½	3,925,045
Total for 24 weeks ...	6,408,634	70,88,675 14 0	6,89,93,007 10	1,58,81,309 5 1	5,16,987 4 11	2,34,87,062 8 0	1,579,023½	2,541,551½	4,120,575½
COMPARISON.									
Total for corresponding week of previous year ...	252,566½	2,44,785 15 5	28,81,256 0	6,33,403 12 3	18,650 14 8	8,06,810 10 4	65,432	111,043	177,075
Per mile of railway corresponding week of previous year ...	161 2 5			416 15 10	12 4 5	590 6 8			
Total to corresponding date of previous year ...	6,260,018	68,76,916 14 2	6,64,36,528 0	1,65,11,245 12 10	4,67,653 13 5	2,38,65,816 8 5	1,616,234	2,775,166	4,391,400

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 18TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 16TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 18TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 16TH JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		
1,519	8,96,841	599	1,513½	8,36,383	553	1,519	1,11,31,493	696	1,513½	1,05,13,406	631	.....	6,18,087

PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 16th June 1888, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	9,721	4,354 4 0	35,338 0	2,187 8 0	28 13 0	6,870 9 0	1,662	752	2,394
Or per mile of railway ...	170	76 2 0	618 0	43 7 9	0 8 1	120 1 10			
For previous 23 weeks of half-year ...	826,753	1,67,478 15 6	9,25,425 30	69,622 8 0	846 15 0	2,30,948 6 0	40,620	16,045	56,665
Total for 24 weeks ...	836,474	1,71,833 3 0	9,60,763 30	71,810 0 0	875 12 0	2,37,818 12 0	42,282	16,777	59,059
COMPARISON.									
Total for corresponding week of previous year ...	10,394	4,583 0 11	52,956 0	3,736 1 0	33 4 3	8,372 15 2	1,632	762	2,394
Per mile of railway corresponding week of previous year ...	182	80 2 1	924 10	65 10 8	0 9 4	146 6 1			
Total to corresponding date of previous year ...	331,137½	1,67,790 8 3	14,35,823 30	84,322 6 9	1,114 5 6	2,53,227 4 6	39,786	22,919	62,705

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 18TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 16TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 18TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 16TH JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		
57½	3,372	146	57½	6,871	120	57½	1,04,970	167	57½	98,876	157	.....	.....

DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 16th June 1888, on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week	3,551	Rs. A. P. 504 0 0	Mds. s. 13,425 30	Rs. A. P. 517 3 0	Rs. A. P. 10 0 0	Rs. A. P. 921 15 0	208½	285	493
Or per mile of railway	49 8 8			26 6 11		76 13 3			
For previous 23 weeks of half-year	72,300	12,262 14 0	4,80,189 0	11,714 3 0	221 5 8	24,188 0 6	7,244½	4,100	11,350
Total for 24 weeks	75,850	12,847 4 0	4,93,614 30	12,931 6 0	231 11 6	25,119 5 6	7,453	4,385	11,844
COMPARISON.									
Total for corresponding week of previous year	3,025½	495 12 7	7,920 30	180 3 0	5 9 0	687 8 7	309	14	493
Per mile of railway corresponding week of previous year	41 5 1			15 8 3	0 7 5	57 4 9			
Total to corresponding date of previous year	75,241	12,012 0 4	4,71,817 30	13,373 3 0	206 9 9	25,192 6 1	7,300	4,504	11,803

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 18TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 16TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 18TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 16TH JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
12	Rs. 688	Rs. 57	12	Rs. 922	Rs. 77	12	Rs. 13,382	Rs. 101	12	Rs. 12,637	Rs. 97	.....	745

SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 16th June 1888, on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week	4,647	Rs. A. P. 3,257 7 0	Mds. s. 91,481 10	Rs. A. P. 5,631 12 0	Rs. A. P. 113 0 0	Rs. A. P. 8,082 12 0	582	1,708½	2,350½
Or per mile of railway	45 4 8			76 4 8	1 8 3	120 1 5			
For previous 23 weeks of half-year	124,251	89,754 2 0	19,90,285 10	98,400 13 0	2,433 15 0	1,85,568 14 0	15,276	24,516½	49,792½
Total for 24 weeks	128,928	92,971 9 0	20,81,766 20	99,032 9 0	2,547 8 0	1,84,651 10 0	15,858	26,236½	52,143½
COMPARISON.									
Total for corresponding week of previous year	5,301	5,215 8 4	1,05,260 20	2,023 1 0	47 8 6	8,101 1 10	705	1,038	1,744
Per mile of railway corresponding week of previous year	69 11 7			39 2 4	0 16 2	109 8 1			
Total to corresponding date of previous year	146,424	1,13,248 4 10	24,54,006 0	1,08,744 4 0	2,405 14 8	2,24,398 7 7	17,847	30,226	48,073

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 18TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 16TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 18TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 16TH JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Rs.	Rs.
74½	Rs. 8491	Rs. 110	74½	Rs. 8,083	Rs. 120	74½	Rs. 1,03,082	Rs. 126	74½	Rs. 83,098	Rs. 107	.....	14,985

TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 16th June 1888, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Traffic for the week	18,469	4,626 5 0	7,880 0	270 15 0	9 11 0	4,906 15 0	902	66	968
per mile of railway	.....	207 14 9	.....	12 2 10	0 7 3	220 8 7	.....	.....	.....
previous 23 weeks of half-year	512,855	1,34,436 6 0	1,88,169 20	6,962 0 0	165 10 3	1,41,561 0 3	20,737	1,703	22,440
Total for 24 weeks	531,324	1,39,062 11 0	1,96,049 20	7,232 15 0	175 5 3	1,41,470 15 3	20,737	1,769	22,506
COMPARISON.									
for corresponding week of previous year	16,950	4,176 8 5	7,692 10	294 0 0	2 4 3	4,473 5 8	899	69	968
per mile of railway corresponding week of previous year	.....	187 11 4	.....	13 3 10	0 1 8	201 0 10	.....	.....	.....
to corresponding date of previous year	499,728	1,36,908 7 3	2,02,742 10	7,063 12 0	181 0 9	1,39,153 4 0	22,660	1,342	24,002

Approximate Statement of gross receipts of the Tarkeessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 18TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 16TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 18TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 16TH JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
4,473	201	221	4,907	221	221	67,791	276	221	70,618	280	280	3,027	.....

TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 16th June 1888, on 259 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Traffic for the week on 259 miles open	36,106	13,065 0 0	1,71,509 0	15,265 0 0	2,908 0 0	31,296 0 0	5,796	7,277	13,073
per mile of railway	139	50 7 0	662 0	58 15 0	2 9 0	111 15 0	.....	.....	.....
previous 23 weeks of half-year	989,983	380,641 0 0	44,90,199 0	4,79,993 0 0	74,521 0 0	9,35,156 0 0	141,284	176,639	317,923
Total for 24 weeks	1,026,089	3,93,706 0 0	46,61,708 0	4,95,258 0 0	77,487 0 0	9,66,151 0 0	147,080	183,916	330,996
COMPARISON.									
for corresponding week of previous year on 249 miles open	39,050	13,855 9 7	2,21,383 10	23,008 12 6	3,475 2 1	40,339 8 2	6,182	7,946	13,228
per mile of railway corresponding week of previous year	157	55 10 0	889 0	92 6 0	1 2 0	196 14 0	.....	.....	.....
to corresponding date of previous year	931,324	3,54,325 5 6	40,90,665 30	4,02,228 10 0	77,621 0 4	8,34,171 15 10	137,944	145,194	283,138

* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 18TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 16TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 18TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 16TH JUNE 1888.			Total increase in 1888.	Total decrease in 1888.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.
40,340	162	259	31,206	121	249	3,82,443	140	259	4,08,670	143	259	26,227	.....

1888

SUPPLEMENT TO THE CALCUTTA GAZETTE, JUNE 27, 1888.

NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 16th June 1888, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAFFIC.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,775	1,081 5 7	14,548 30	990 14 0	10 13 10	2,073 1 5	509	254	...
Or per mile of railway ...	102	39 11 0	534 0	36 6 0	0 6 0	76 7 0	...	...	...
For corresponding weeks of half-year ...	74,901	27,570 10 5	3,32,473 10	18,950 2 0	442 2 3	48,971 14 7	11,707	9,533½	21
Total for 24 weeks ...	77,676	28,652 0 0	3,47,025 0	19,950 0 0	453 0 0	49,055 0 0	12,216	9,787½	22
COMPARISON.									
Total for corresponding week of previous year ...	2,996	1,074 12 5	7,305 20	539 0 0	16 10 0	1,611 6 5	509	254	...
Per mile of railway corresponding period of previous year ...	110	39 7 0	268 0	19 1 0	0 10 0	59 2 0	...	...	...
Total to corresponding date of previous year ...	73,681½	27,768 2 11	2,89,420 20	17,124 5 11	594 10 7	45,487 3 5	12,288	7,028½	20

FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalkati State Railway.

RECEIPTS FOR WEEK ENDING 18TH JUNE 1887.			RECEIPTS FOR WEEK ENDING 16TH JUNE 1888.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 18TH JUNE 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1888 TO 16TH JUNE 1888.			Total increase in 1887-88.	Total decrease in 1887-88.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked per week.	Mean mileage worked.	Total receipts.	Per mile worked per week.		
27½	Rs. 1,611	Rs. 59	27½	Rs. 2,083	Rs. 76	27½	Rs. 19,434	Rs. 65	27½	Rs. 20,028	Rs. 67	Rs. 594	Rs.